

# **Cobra**<sup>®</sup>

**CIR 2000 A**

**CIR 2000 E**

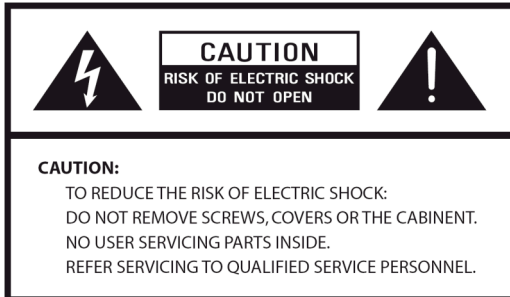
**WiFi Internet Radio  
Owner's Manual**



**Nothing Comes Close to a Cobra<sup>®</sup>**

Printed in China Part No. 480-530-P Version A

# Safety Information



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instruction
8. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding - type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturers, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



PORTABLE CART WARNING

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or

- plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
  16. The main plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
  17. The caution marking and rating plate are located on the bottom of the unit.
  18. The adaptor UL File number E248805 and model number KSS60-12.0-4000. Input of this apparatus is: AC 100-240V~50-60Hz, 1.5A, and Output is: 12.0V===4000mA. Keep the input & output rating.
  19. To avoid damage to the batteries installed in the remote control, do not place the remote near excessive heat sources.
  20. For sufficient ventilation, please place your Micro System into an open area when operating.

## FCC

This device complies with Part 15 of the FCC Rules Operation that is subject to following two conditions:

- (1) This device may not cause harmful interference and,
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.**

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Version 20061005

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# Chapter 1 Overview

## 1.1 Introduction

This system is a Micro System integrated digital audio playback that functions with network connectivity. The system can play Audio CD, Data CD (MP3/WMA files), USB device, SD/MMC card, FM radio and over 20,000 internet radio stations.

## 1.2 Audio Sources

- Audio CD
- Supports MP3/Windows Media<sup>®</sup> audio files (known as WMA) (include ID3v1, ID3v2)
- Supports static lyrics and synced lyrics (.txt /.lrc /.smi)
- Supports USB Flash drive, USB HD drive
- SHOUTCast Internet Radio (<http://www.shoutcast.com>)
- Local FM On-Line Radio
- FM (87.5~108MHz)
- Support AUX

## 1.3 Record

- Converts Audio CD tracks to 128kbps MP3 file and saves to an USB device, SD/MMC card
- Displays CD information for the current playing CD by connecting to Gracenote Music Recognition Service
- During recording Internet Radio and FM are not copied
- Record AUX in 128kbps MP3 file and save to an USB device, SD/MMC card.
- Add a space support storage backup management program.

## **1.4 Networking**

- Supports Ethernet 10/100 Mbps
- Supports Wireless LAN IEEE 802.11 b/g Dongle
- Supports Infrastructure /Ad-Hoc
- Supports WEP 64/128 and WPA-PSK encryption
- Supports Proxy Setting
- This system provides a wireless setting wizard to make wireless network setup easier.

## **1.5 Others**

- Supports two alarm clock settings
- Supports time sync technology (\* network available)
- Supports firmware upgrade



## Chapter 2 Installation

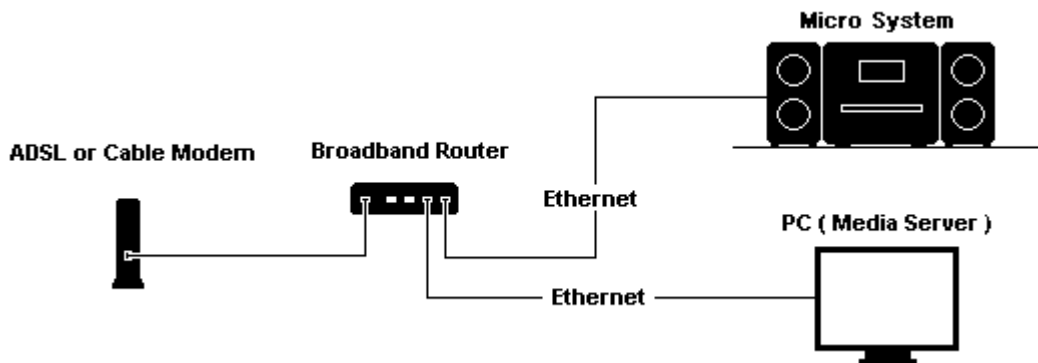
### 2.1 Installation

NOTE : The proper voltage for this system is AC 100V~240V/50-60Hz. Please check the voltage in your area before plugging in the unit.

#### 2.1.1 LAN Setting

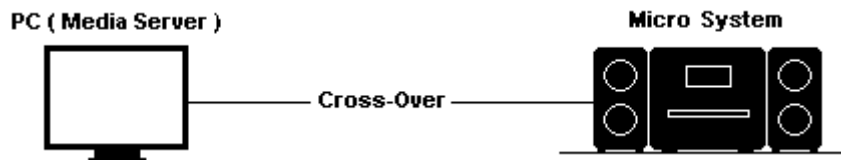
Make sure the internet environment is ready and the network setting is available (ADSL or Cable Modems is highly recommended).

The default setting of the network in your system is DHCP. (For more network settings please check 11.4 the 'Network' section on page 60)



or

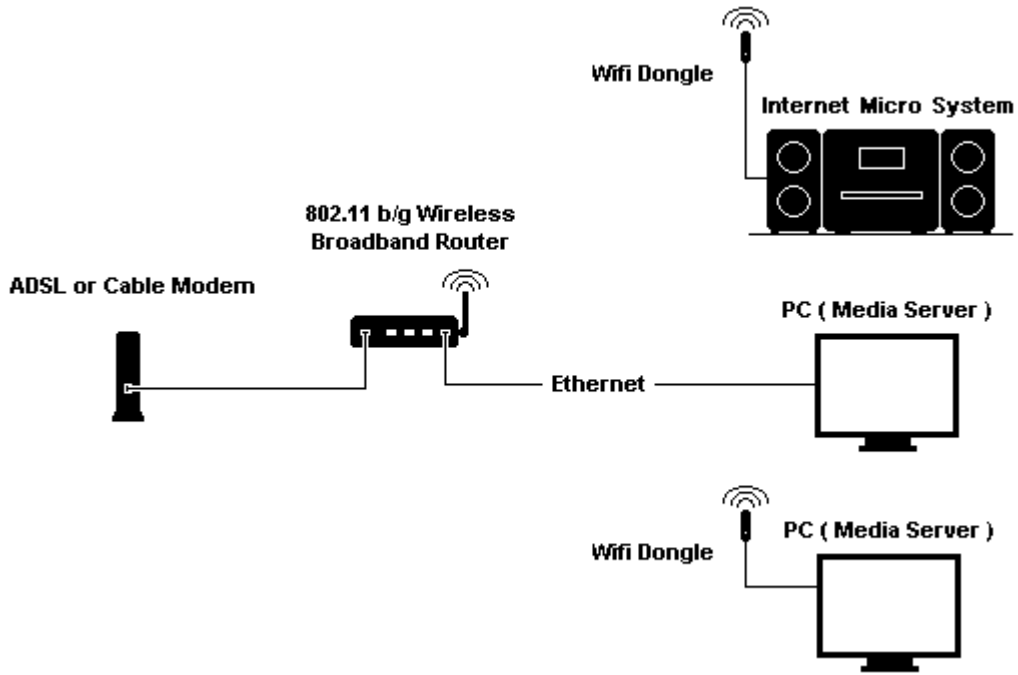
If you want to listen to audio contents from your PC, you can use Cross-over to connect your system to your PC directly.



#### 2.1.2 Wireless LAN Setting

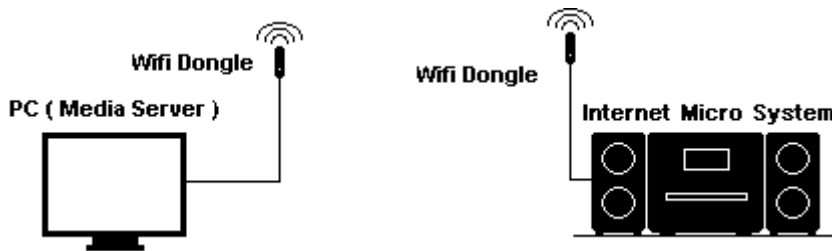
Make sure the internet environment is ready and the network setting is available.

Plug-in the Wifi Dongle into the USB port on the back of your system (For more settings please see 'Network' section on page 60)



or

You can receive the audio contents from your PC in a wireless environment by using Ad-hoc.



## 2.2 Boot for The First Time

When you turn on this system for the first time, the system will automatically check the environment and search for any available internet protocol.



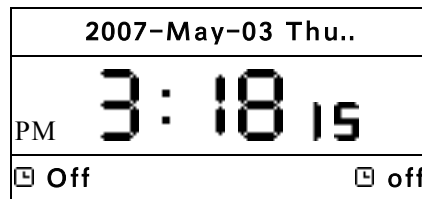
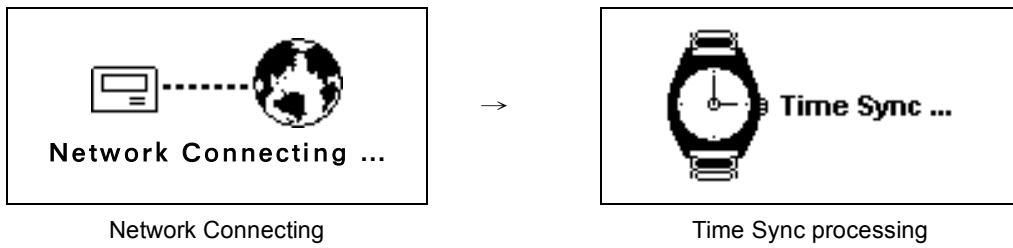
When power-on › COBRA Logo shows up



Checking available network devices

If there is no network device connected to your system, you should plug-in LAN or WiFi dongle (into the USB port on the back of your system) and follow the instructions of the network wizard.

After the system links to the network, it will process time sync, and then go to standby mode. Usually it will take 6-30 seconds to finish the whole process.

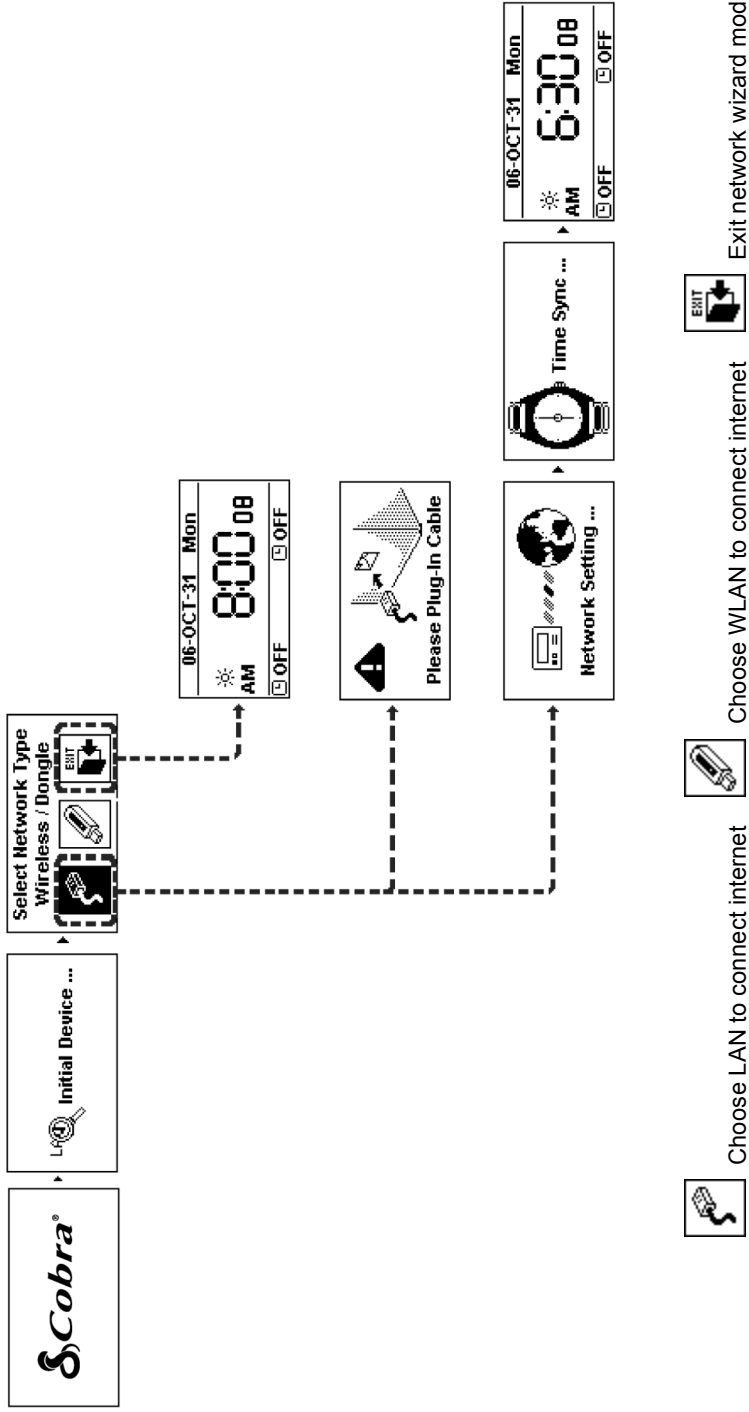


Stand-By Mode

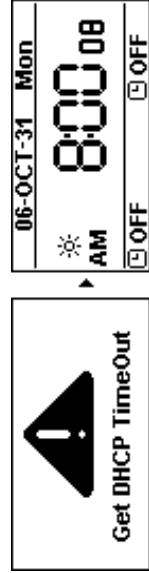
The default network setting for the system is LAN (or after you have chosen “Reset all setting”). You can choose WLAN for your System’s network device by inserting the WiFi dongle into the USB slot on the back of your system.

If you still have problems with network setting, please follow the network wizard instructions on the next page.

NETWORK SETTING – LAN

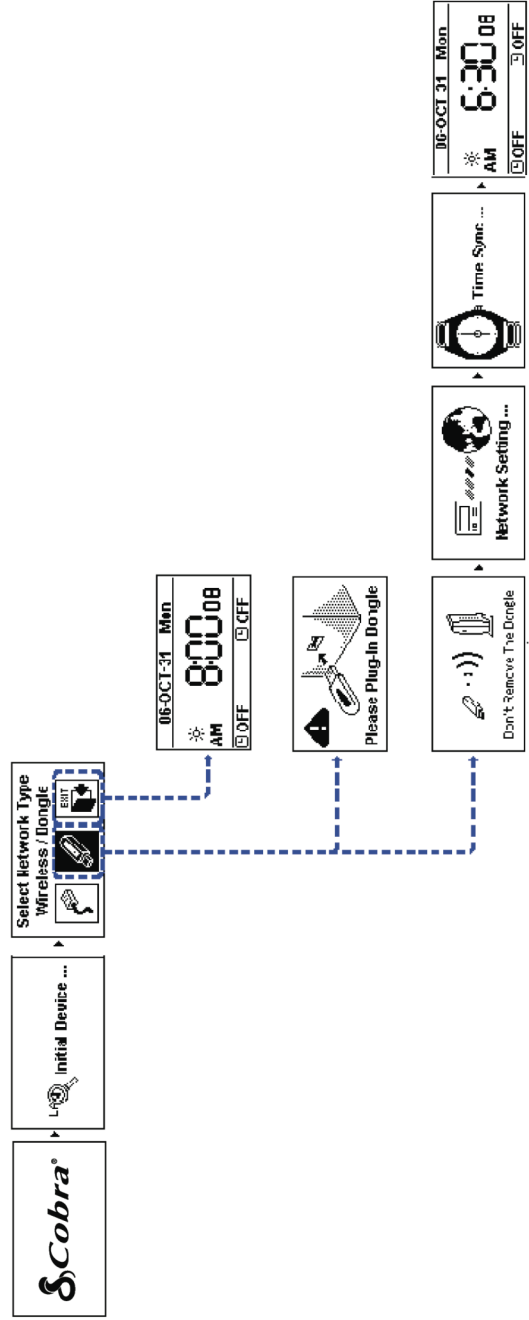


• CAN NOT GET DHCP



• NETWORK SETTING – WLAN (with Wifi dongle)

• NETWORK SETTING – WLAN (with Wifi dongle)



Choose LAN to connect internet

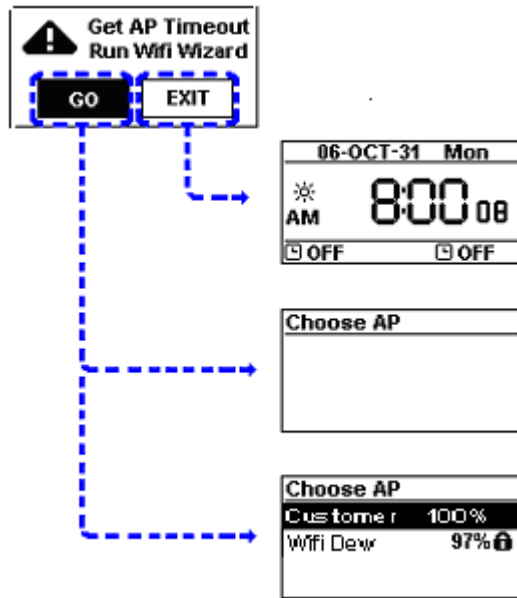


Choose WLAN to connect internet



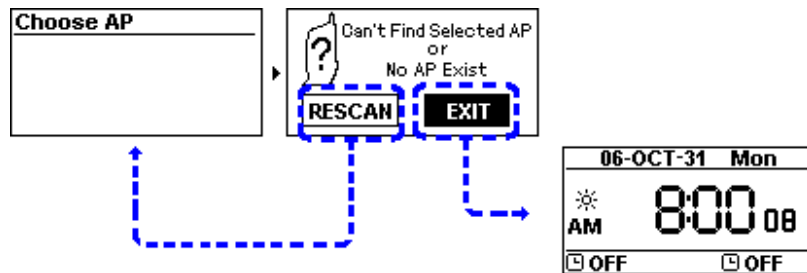
Exit network wizard mode

**CAN NOT FIND ACCESS POINT**



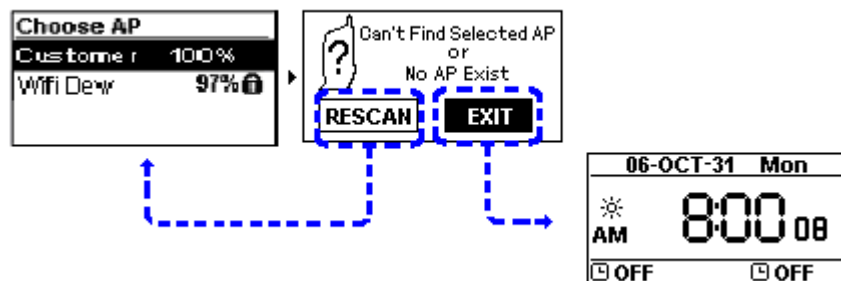
Select **GO** to run Wizard mode OR Select **EXIT** to quit

**(1) CAN NOT FIND ANY ACCESS POINT**



Select **RESCAN** to search AP again OR Select **EXIT** to quit

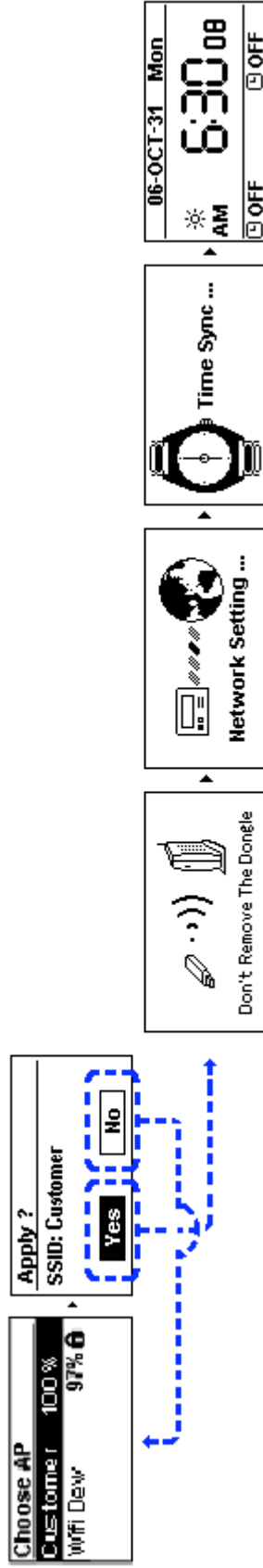
**(2) CAN NOT FIND THE AP YOU WANT, PRESS ESC TO ENTER PRESCAN MODE**



Select **RESCAN** to search AP again or select **EXIT** to quit

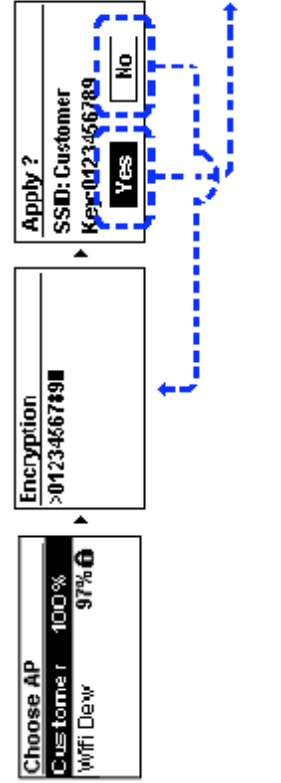


- SELECT AN EXISTING AP THAT DOES NOT NEED AN ENCRYPTION



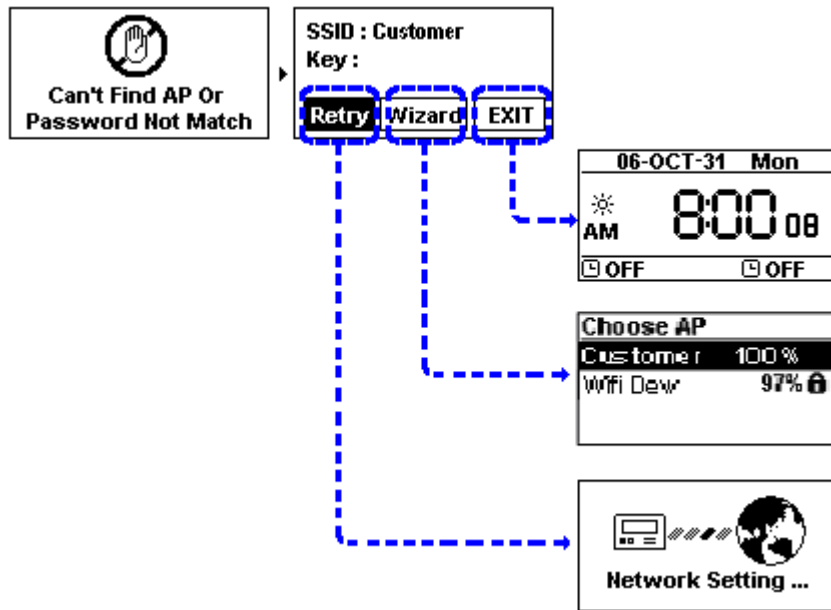
Select **Yes** to make a connection or select **No** to select other Access Points

- SELECT AN EXISTING AP THAT NEEDS AN ENCRYPTION



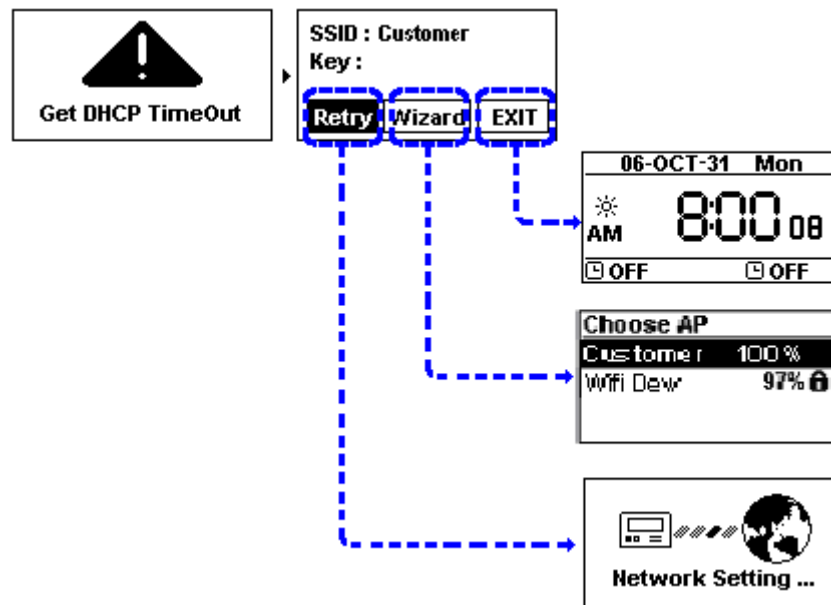
After inputting the encryption, Select **Yes** to make a connection or select **No** to select other Access Points

• FAIL TO CONNECT TO ACCESS POIN



1. Select **Retry** to connect again
2. or Select **Wizard** to search available Access Point
3. or Select **EXIT** to quit

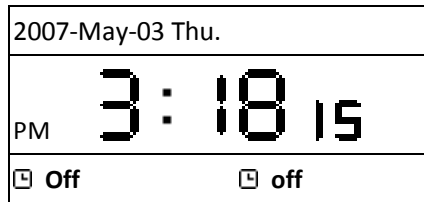
• CAN NOT GET DHCP



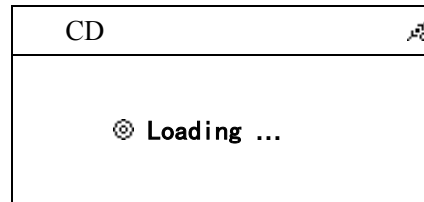
1. Select **Retry** to connect again
2. or Select **Wizard** to search available Access Point
3. or Select **EXIT** to quit

## 2.3 Power On

After the system goes to Standby Mode, you may press **Standby** to activate the system.



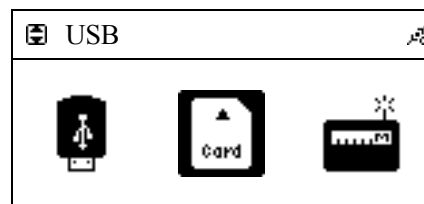
Press **Standby** in Stand-By Mode



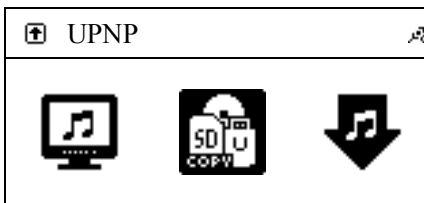
Audio sources checking



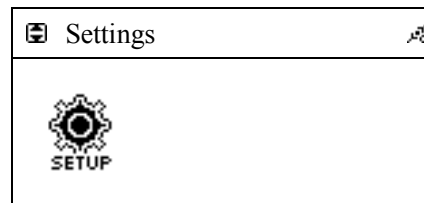
Screen will show CD / Internet Radio / Podcast



Press > button, USB icon / SD/MMC /FM be displayed



Following is Media Server / File Manager / AUX



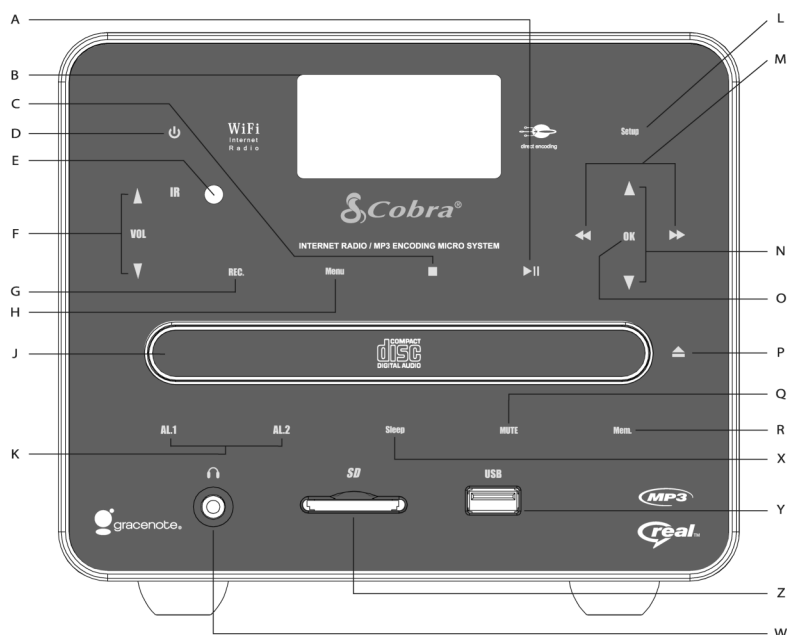
Press > button, Setup be displayed

You can adjust the brightness of backlight appeared on your panel by pressing **B.L.** on your remote control.

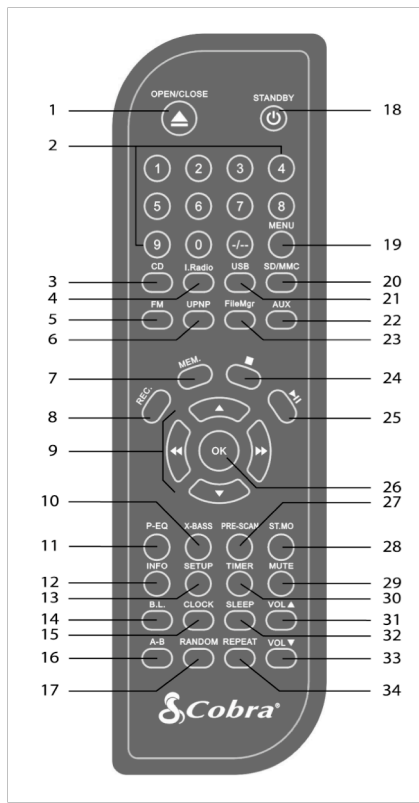


To adjust the brightness, press **B.L./ DIM**

## 2.4 Control Keys



A	<b>Play Pause</b> Toggle Play/pause	M	<b>Skip/Fast Forward/Rewind</b> Press to jump to next previous track Hold to fast forward or rewind
B	<b>LCD Screen</b> Backlight LCD screen	N	<b>Navigation</b> Navigate the stations and menu options
C	<b>Stop/Esc</b> Stop playback or back to previous menu	O	<b>OK</b> Select stations and menu options
D	<b>Standby</b> Switches between ON and Standby	P	<b>OPEN/CLOSE</b> Open/Close the CD tray
E	<b>Infrared receiver</b> Receives signal from remote control	Q	<b>Mute</b> Mute the speakers
F	<b>Volume</b> Tune for volume increase/decrease	R	<b>Memory</b> Save/Load preset stations
G	<b>Record</b> Record CD/Internet Radio/FM to MP3	X	<b>Sleep</b> Toggle the sleep timer in 5, 10, 15, 20, 30 minute
H	<b>Menu</b> Press to go to Source selection screen	Y	<b>USB connector</b> Insert external USB memory stick (Not included)
J	<b>CD Tray</b> For audio and MP3 CDs	Z	<b>SD Card slot</b> Insert external SD Card (Not included)
K	<b>Alarm 1, 2</b> Set Alarm	W	<b>Headphone</b> 3.5mm headphone socket
L	<b>Setup</b> Press to go to the menu option Press to go to the menu option		



1	Open/Close the CD Tray-Open/Close	18	Standby-Switches between ON and Standby
2	Input characters-Numbers	19	Menu-Press to go to Source Menu
3	Quick access to CD-CD	20	SD/MMC-Quick access to SD/MMC playback
4	Quick access to Internet Radio-Internet Radio	21	USB-Quick access to USB playback
5	Quick access to FM-FM	22	AUX-Quick access to Aux-in
6	UPNP-Set up a windows PC to allow your radio to access files via a UPnP	23	Copy/Delete files on SD/MMC/USB memory-File Manager
7	Save/Load presets-Memory	24	ESC/Stop-Stop playback or back to previous menu
8	Record Internet Radio/FM/CD to USB/SD/MMC-Record	25	Play-Toggle Play/Pause
9	Navigate the stations and menu options-Navigation	26	SELECT/OK-Select stations and menu options
10	Enable/Disable extra bass boost-X-Bass	27	Pre-Scan button-Pre- scan FM stations
11	EQ modes toggle-Normal/Classic/Jazz/Pop/Rock-EQ	28	Stereo/Mono-Toggle Stereo/Mono mode in FM
12	Display FM RDS/MP3 and WMA lyrics-Info	29	Mute-Mute the speakers or Snooze
13	Press to go to the menu option-Setup	30	Timer-Set the alarm1 timer
14	Toggle backlight On/Off-Backlight	31	Volume Up-Increase the sound level
15	Display the time-Clock	32	Sleep-Toggle the sleep timer in 5, 10, 15, 20, 30 minutes
16	Play A to B loop-A-B	33	Volume Down-Decrease the sound level
17	Toggle shuffle mode On or Off-Random	34	Repeat-Toggle between repeat single track/all tracks/shuffle



## Chapter 3 CD

### 3.1 Inserting a CD into the CD Tray

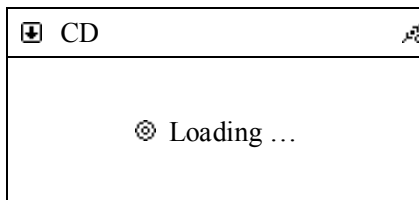
NOTE : 1. In order to play CD, please insert the Audio CD or MP3/WMA format CD.  
2. Some CDs may be incompatible.

1. Press **OPEN/CLOSE** button to open the CD tray or top cover.
2. Insert an Audio CD or MP3/WMA CD into the CD tray.



Insert a CD

3. Press **OPEN/CLOSE** button again to close the CD tray or top cover.
4. icon will show on the topside of the screen when CD is detected.



Loading the disc...



icon will be displayed.

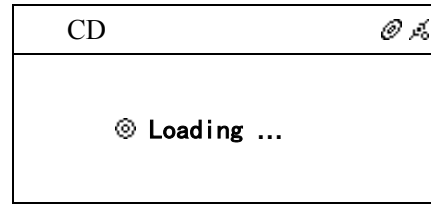
### 3.2 Getting CD Information

NOTE : To get information from the Gracenote Music Recognition Service, please make sure the internet connection is workable and Audio CD is playable.


1. After a CD Loading, select icon from the main menu and then press **SELECT** button to enter CD function.



Press **SELECT**

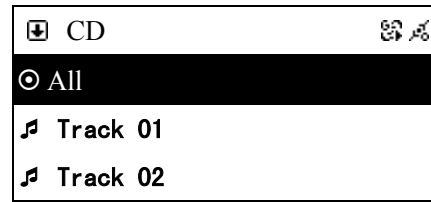



Processing

- The  icon will show on the screen when querying CD information.

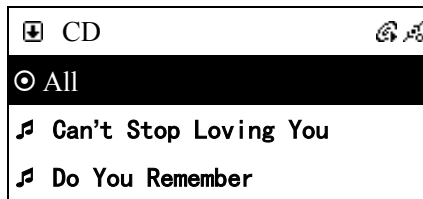


Accessing the Gracenote media database

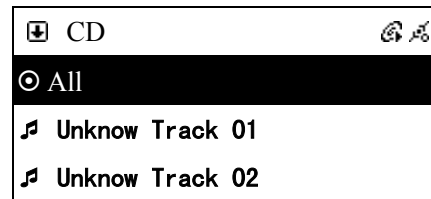


 will show on the screen

- Track names will be listed on the screen instead of track numbers after getting the CD track information.



Get CD track information



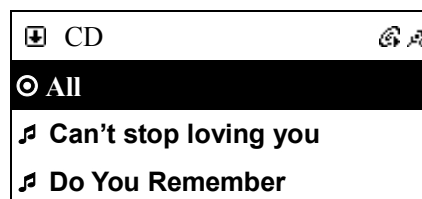
Shown "Unknow" if information is not available

### 3.3 Playing an Audio CD

There are two ways to play an Audio CD.

#### A. Playing all the tracks within the disc

- Highlight [**All**] (or scroll down to the first track name).
- Press **PLAY** or **SELECT/OK** button to play all songs.

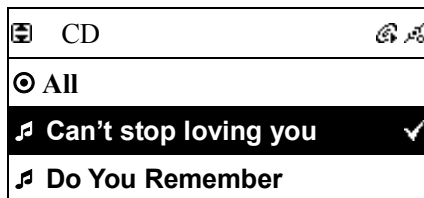


Select [**All**], then press **PLAY**

or **SELECT** to play

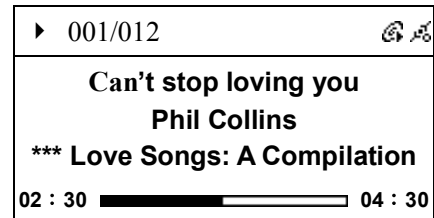
## B. Playing selected tracks within the disc

1. Scroll up/down to a track name, then press **MEMORY** button to make a check mark ✓.
2. Repeat Step 1 to select other songs.
3. Press **PLAY** or **SELECT/OK** button to play the marked songs.



Press **MEMORY** to make a check mark ✓,  
then press **PLAY** to play.

or



Music playing

NOTE : Not all audio CDs have CD track information.

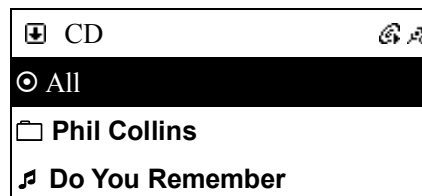
## 3.4 Playing an MP3/WMA CD

- NOTE :
1. Support MP3/WMA audio files.
  2. Support static lyrics and synced lyrics (.txt /.lrc /.smi)
  3. This system does not support MPEG 1 Layer 2 format.

There are two ways to play an Audio CD.

### A. Playing all the tracks within the disc

1. Highlight **[All]** (or scroll down to the first track name).
2. Press **PLAY** or **SELECT/OK** button to play all songs.



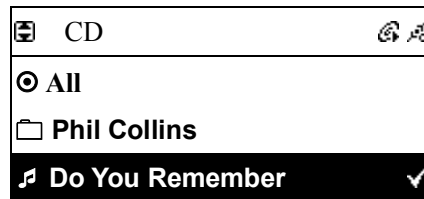
Select **[All]**, then press **PLAY** or  
**SELECT** to play.

### B. Playing selected tracks within the disc

1. Scroll up/down to a track name, then press **MEMORY** button to make a check mark ✓.



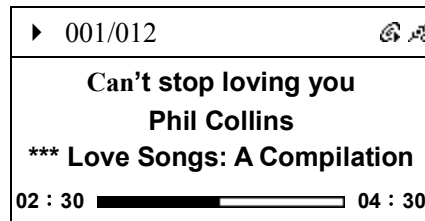
2. Repeat Step 1 to select other songs.
3. Press **PLAY** or **SELECT/OK** button to play the marked songs.



Press **MEMORY** , then press **PLAY** to play.

### C. Playing one song within a folder or disc

1. Scroll up/down to a file name, then press **MEMORY** button to make a check mark ✓.
2. Press **PLAY** or **SELECT/OK** button to play the song.




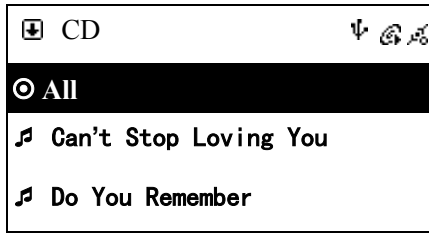
Music playing

## 3.5 CD Ripping

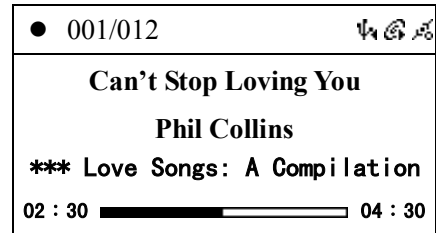
- After selecting the songs you want on your CD, press **REC** to rip
- Auto-categorization function will be activated when ripping a song to USB or SD/MMC.
- CD will not be recorded if the Audio CD is under protection
- The speed of CD Ripping is 1:1

### 3.5.1 Converting All the Tracks within the Disc

1. Insert an Audio CD into the CD tray.
2. Select  icon from the main menu, then press **SELECT/OK** button to enter CD function.
3. Highlight [**All**] and, then press **REC** button to record.



Select [All], then press **REC** to rip



● icon will show on the screen when ripping

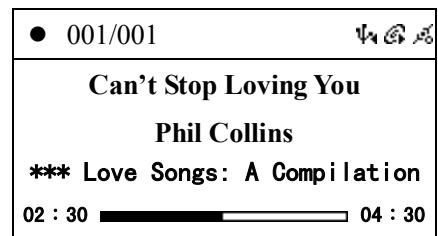
4. If both USB Device and SD/MMC Card are detected, scroll up/down to select a storage device where you want to store recording files, then press **SELECT/OK** to start recording.
5. ● icon will show on the topside of the screen when converting.
6. If for any reason it has failed to convert, the system will stop recording.

### 3.5.2 Converting Selected Tracks within the Disc

1. Insert an Audio CD into the CD tray.
2. Select ● icon from the main menu, then press **SELECT/OK** button to enter CD function.
3. Scroll up/down to a track name, then press **MEMORY** button to make a check mark ✓.
4. Repeat Step 3 to select other songs and then press **REC** button to record.

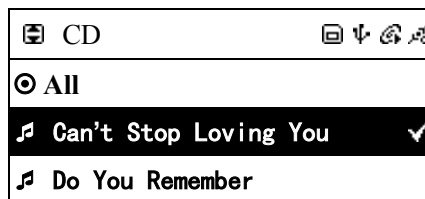


Press **MEMORY**, then Press **REC** to rip

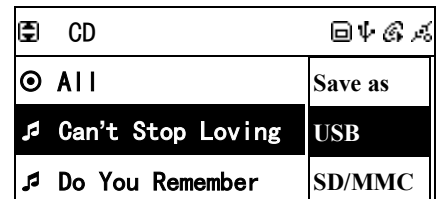


● icon will show on the screen when ripping.

5. If both USB Device and SD/MMC Card are detected, scroll up/down to select a storage device where you want to store recording files, then press **SELECT/OK** to start recording.



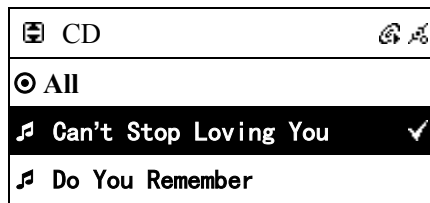
Press **MEMORY**, then Press **REC** to rip



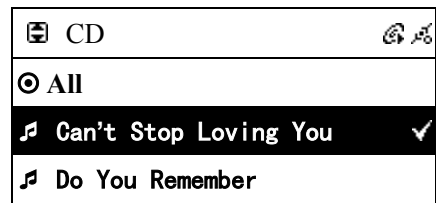
Select **USB** or **SD/MMC** if necessary.

6. ● icon will show on the topside of the screen when converting.

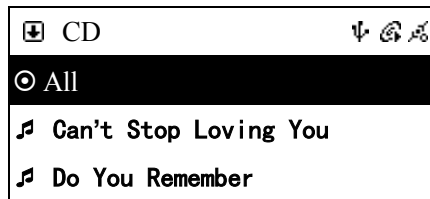
7. If the memory space of a storage device is less than 10MB, or if for any reason it has failed to convert, your system will stop recording.



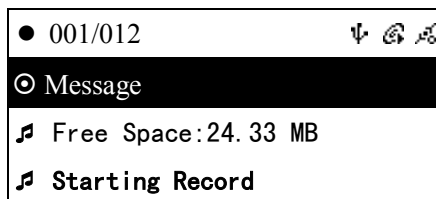
Press **MEMORY**, then press **REC** to rip.



If no storage media, the action will stop.



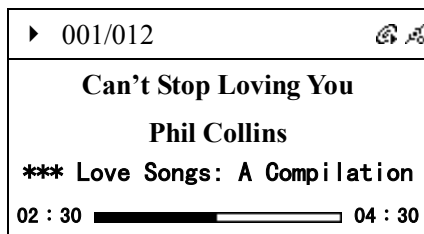
Press **REC** to rip the whole CD



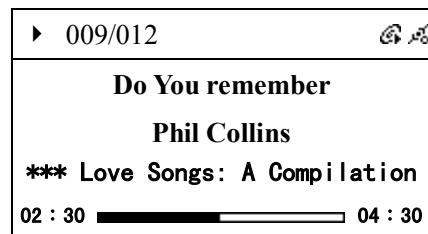
Checking the memory space of the storage device

### 3.6 Now Playing

- Use the remote control to control Bass, Equalizer, Play Mode and A-B Loop (Note: some functions can only be enabled by using the remote control.)

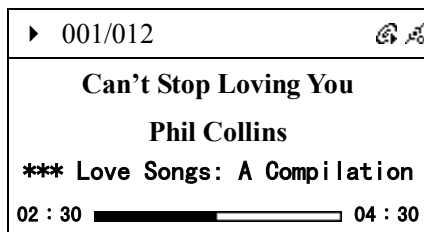


Press **NUMBER** buttons on the remote control.

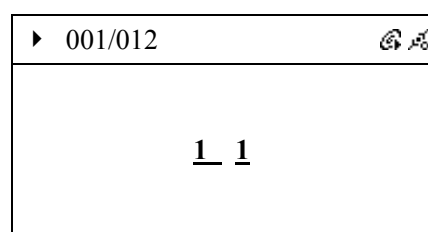


Jump to the track automatically.

or

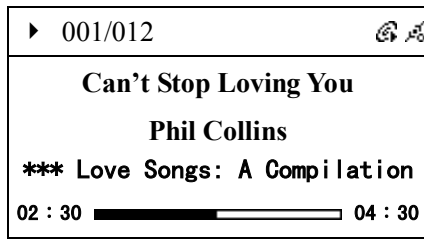


Press **-/--** button on the remote control.

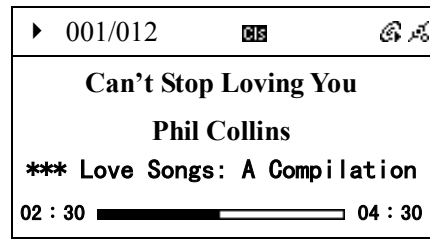


Input a track number to jump to the track quickly.

- EQ: Set the equalizer for Normal→ Classic→ Jazz→ Pop→ Rock and Bass +Normal→ Bass+Classic → Bass+Jazz → Bass+Pop → Bass+Rock.

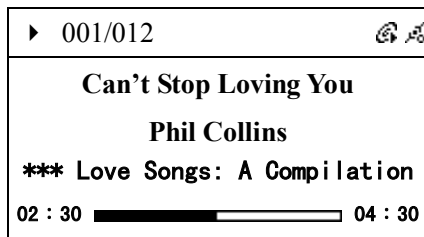


Press EQ to change equalizer.

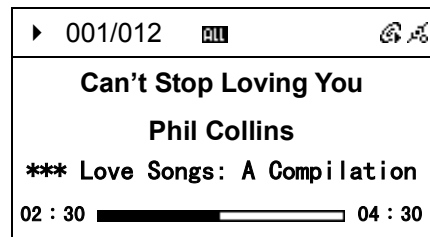


The EQ icon will show on the screen

- Play Mode: Set the play mode for Normal→ Shuffle→ Repeat One→ Repeat All.



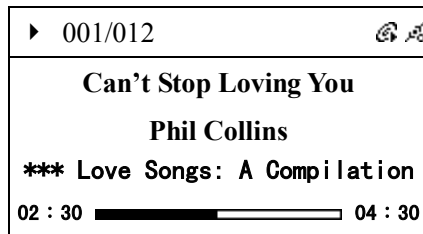
Press **REPEAT** to change play mode.




The Repeat icon will show on the screen.

- A-B Loop (To set A-B loop time for music playing is at least 5 seconds) :

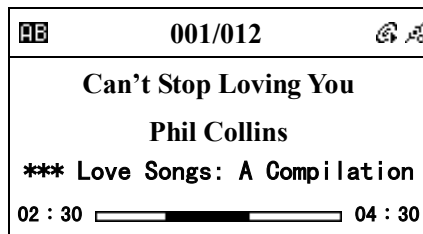
1. Press **SELECT/OK** to set starting point A when playing.



Press **SELECT /OK** to set A when playing.

 icon will show on the topside of the screen.


2. Press **SELECT/OK** again to set the period A to B when playing.



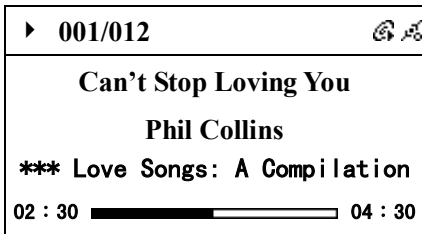
Press **SELECT /OK** again to repeat A-B loop.

 icon will show on the topside of the screen.

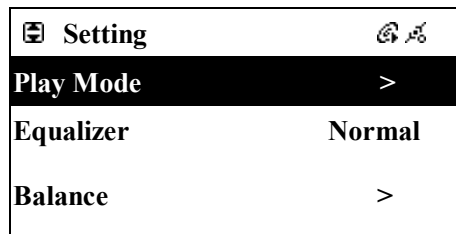
3. Press **SELECT/OK** again to stop repeating in A-B loop.

 icon will disappear.

- If no remote control, press **SETUP** button instead of these quick keys when playing.



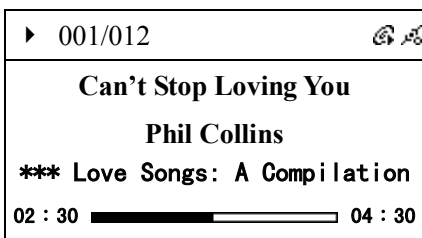
Press **SETUP** when playing.



Select a Setting item.

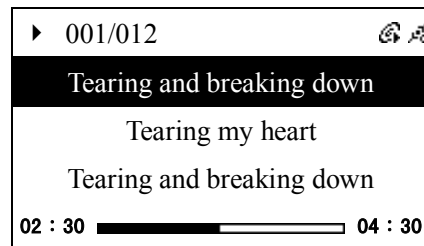
### 3.7 Lyrics

- Support static lyrics and synced lyrics (.txt /.lrc /.smi).
  1. MP3 – ID3V2 Embedded Lyric \ .Lrc \ .Txt
  2. WMA – Embedded Lyric \ .Smi \ .Txt
- Edit lyrics for your MP3/WMA files if necessary.

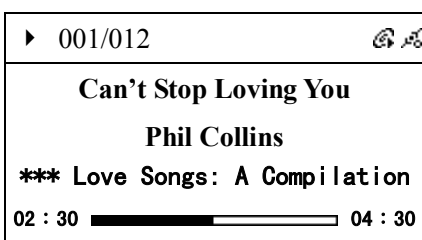


Press **INFO** when playing.

→

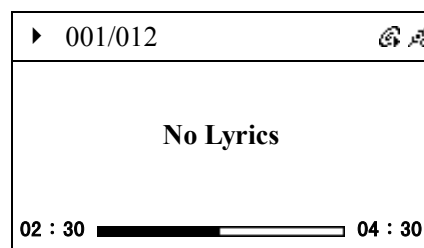


The lyrics will show on the screen.



Press **INFO** when playing.

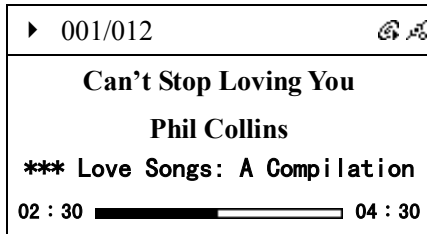
→



No lyrics available

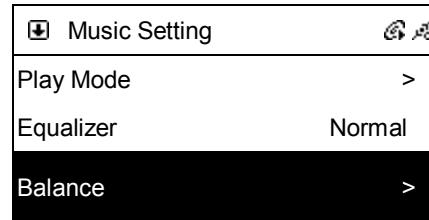
### 3.8 Balance

- Bass and Balance are adjustable.

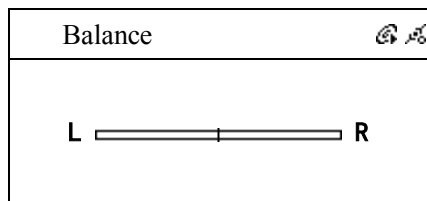


Press **SETUP** when playing

→



Enter Music Setting list and choose **Balance**



Press **Left/Right** button to modify the output



# Chapter 4 Internet Radio

## 4.1 Introduction

Internet radio is an audio [broadcasting](#) service transmitted via the [Internet](#). By using internet radio devices, listeners receive a continuous stream of audio from internet radio stations. The system supports many audio stream sources such as Microsoft (mms://..) SHOUTCast.

- SHOUTCast (<http://www.shoutcast.com>)

Today most traditional FM radio stations in the world offer on-line radio services or programs. The system can connect to those on-line radio services or programs. Moreover, the system categorizes those stations by country, and sorts them under World Station file. This makes it easy to search for or to find a particular radio station.

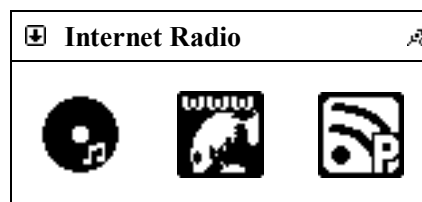
## 4.2 World Station

System requirements: We recommend broadband internet connection (xDSL/Cable Modem). However, Internet Radio does not support PPPoE(ADSL) or ISP Proxy (cable modem). We strongly recommend connecting with a broadband router to have better quality of audio streaming.

- If there is no internet connection on your system, Wizard mode will be automatically activated. Please follow the instructions shown on the screen to establish network connection.

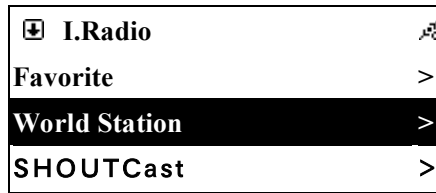
### 4.2.1 Listen to World Station

- Go to [Main] menu, choose  and press **SELECT/OK** button.

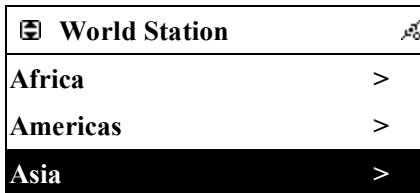


Choose Internet Radio

- Choose [**World Station**] and then press **SELECT/OK** button.



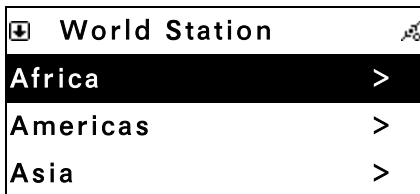
Choose World Station



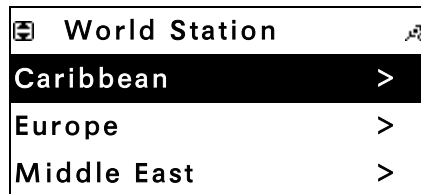
Categorized by Area



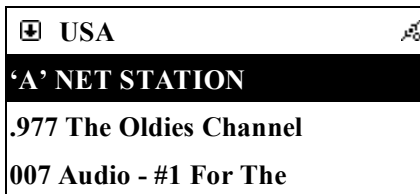
Categorized by Country



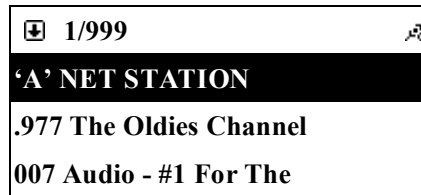
Press ◀ / ▶ button for fast search



The name of Radio stations change alphabetically



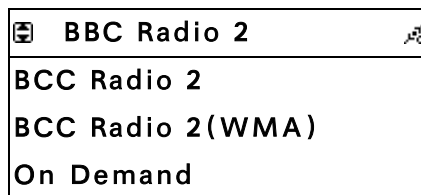
Press **INFO**



The amount of radio stations will show on the screen

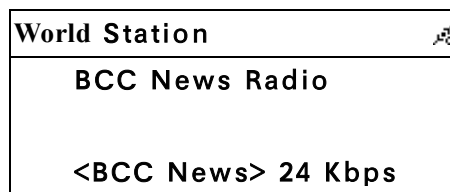


Categorized by alphanumeric order



Categorized by **Radio station**

- Scroll up/down to a station and then press **SELECT/OK** button to play.
- You will hear music after buffering reaches to 100%.



Playing



Note 1 : Does not support REC function for those radio stations in World Station.

Note 2 : For fast search for an internet radio, press **▶** button to jump from radio stations starting with letters A to letter B, letter B to letter C, and so on. Press **◀** button to jump backward.

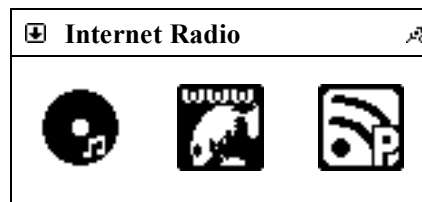
Note 3 : Press INFO to determine the total amount of internet radio stations in a specific category which you are browsing.

## **4.3 SHOUTCast**

System requirements: We recommend broadband internet connection (xDSL/Cable Modem). However, Internet Radio does not support PPPoE(ADSL) or ISP Proxy (cable modem). We strongly recommend connecting with a broadband router to have better quality of audio streaming.

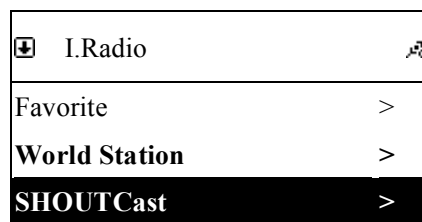
### **4.3.1 Listen to SHOUTCast**

- Go to [Main] menu, choose  and press **SELECT/OK** button.



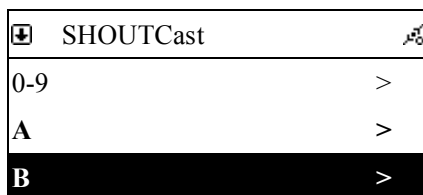
Choose Internet Radio

- Choose [SHOUTCast] and then press **SELECT/OK** button.

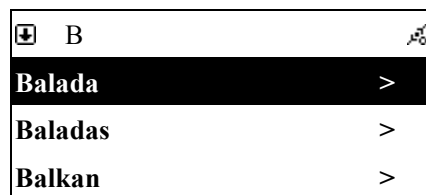


Choose SHOUTCast

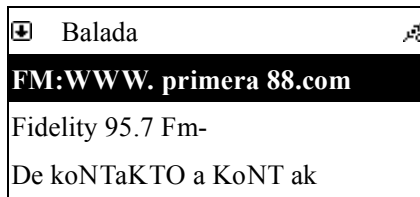
- Scroll up/down to a station and then press **SELECT/OK** button to play.



Categorized by Genres

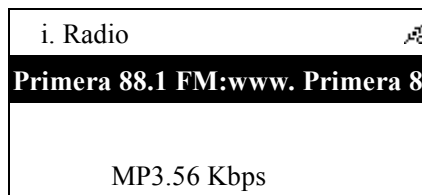


Press **SELECT/OK**



press **SELECT/OK** button to play

- You will hear music after buffering reaches to 100%.



Playing

Note 1 : For fast search for an internet radio, press ► button to jump from radio stations starting with letter A to letter B, letter B to letter C, and so on. Press ◀ button to jump backward.

Note 2 : Press INFO to determine the total amount of internet radio stations in a specific category which you are browsing.

## 4.4 Add/Delete a Radio Station

NOTE : The maximum radio stations that your system can memorize is 20.

- Scroll to the radio station you want to add into FAVORITE.
- Hold **SELECT/OK** button for 2 seconds and the scrolling bar will blink twice.



Press **SELECT / OK** or **MEMORY** for 2 sec.



Scrolling bar blinks twice

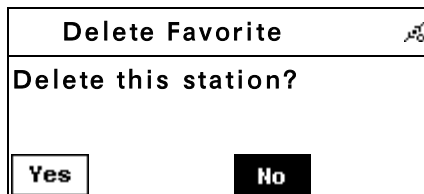
- The radio station you have chosen will be added into FAVORITE after blinking stops.



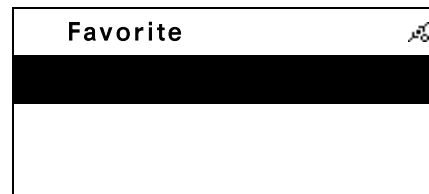
Adding a station into FAVORITE



Hold **SELECT/OK** for 2 seconds to delete a station



Confirm



Choose Yes then press **SELECT/OK** to delete

- The system will inform you if a station you try to add into FAVORITE exists already.
- It may consume more than 1 storage space if the information of a radio station is extensive.



# Chapter 5 PodCast

## 5.1 Introduction


Do you want directly browse / listen to online PodCast classification?

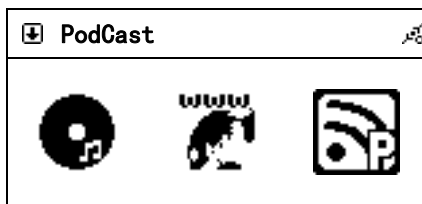
PodCast let your dream comes true!

It also supports the PodCast files downloaded to USB devices to listen to offline programs.

**Time saving!** It can update programs under standby mode.

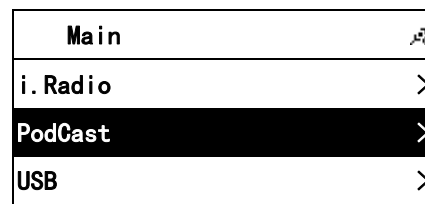
## 5.2 Listen to Podcast

- Go to [Main] menu, choose  and press **OK** button.

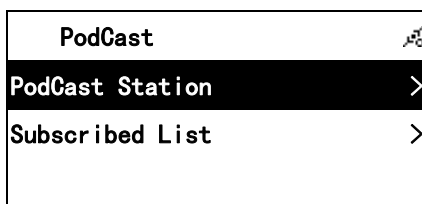


choose PodCast

or

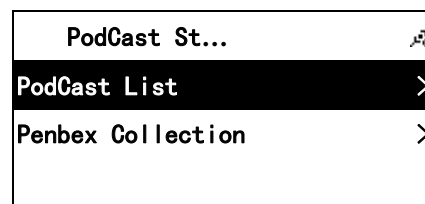


choose PodCast

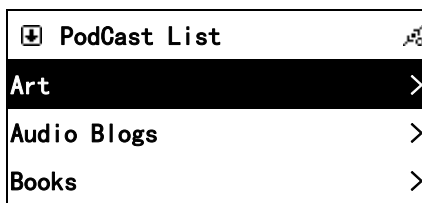


press **OK** to confirm

→

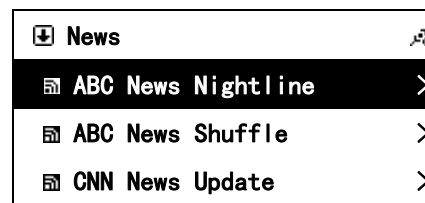


press **OK** to confirm

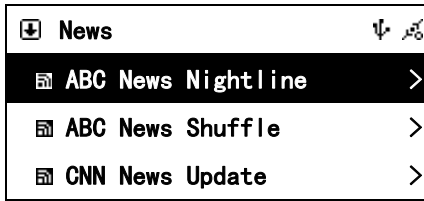


Press ◀ / ▶ button to your selecting one

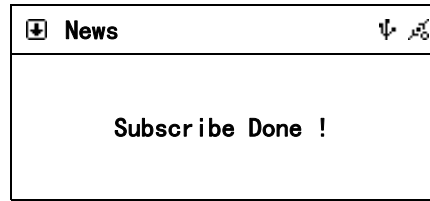
→



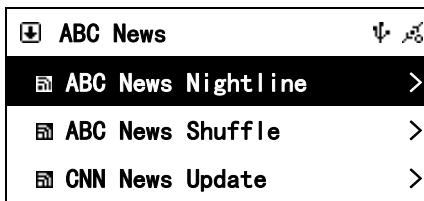
Press ◀ / ▶ button to your selecting program



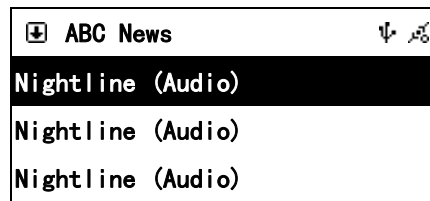
Want save it to USB? insert USB first, then press  
**Memory or REC.**



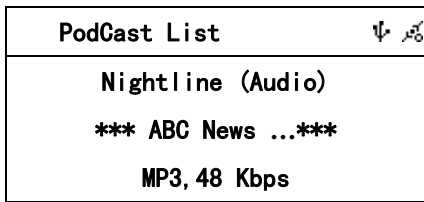
'Subscribe Done' will shows up if it succeed.



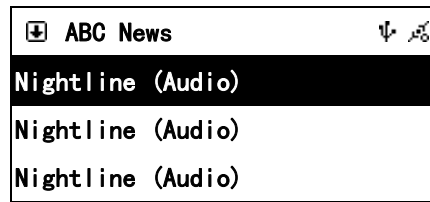
Press ◀ / ▶ button to your selecting one, then  
press **OK** to confirm



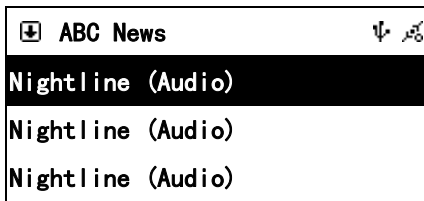
Press ◀ / ▶ button to your selecting one, then  
press **OK** to confirm



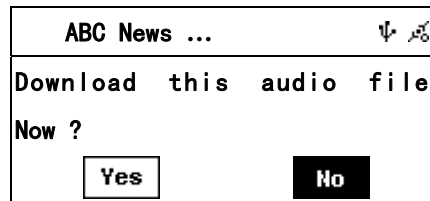
The display will be appeared



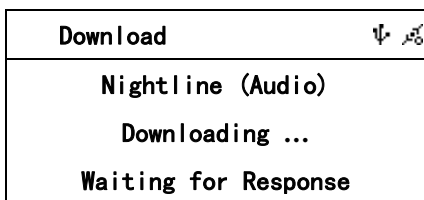
At this screen, you also can download appointed one



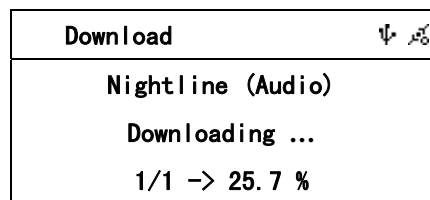
Press ◀ / ▶ button to your selecting one, then  
press **REC.**



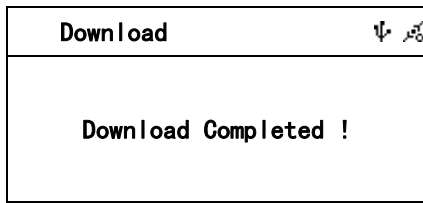
Press ◀ / ▶ button to 'Yes', then press **OK** to confirm



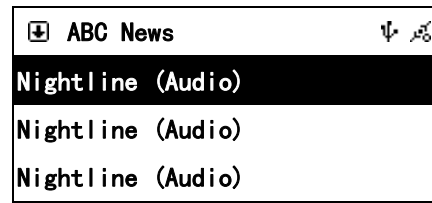
Then Downloading



It needs you a little patience

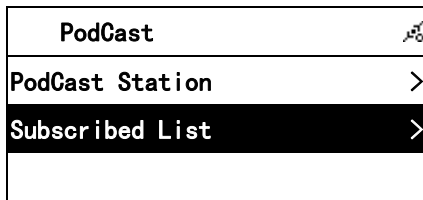


Finally, succeed!

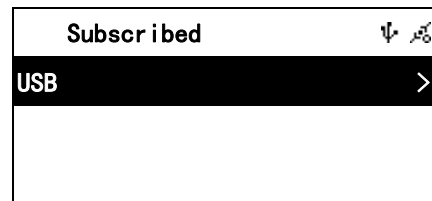


Return to List Page

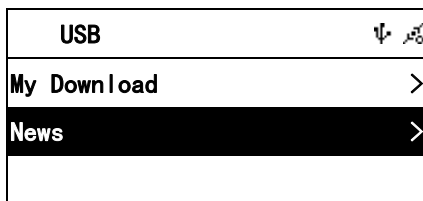
### 5.3 Update / play Subscribed list items



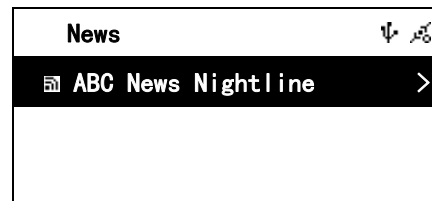
choose Subscribed List



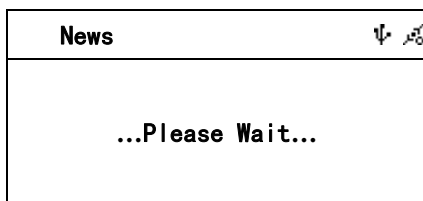
The current insert device will show up



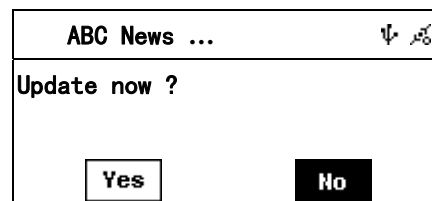
access USB, the download programs should be appeared



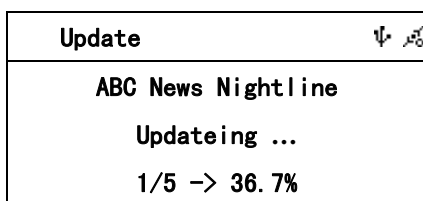
Press ◀ / ▶ button to your selecting one



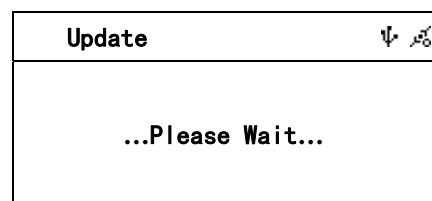
press OK to confirm



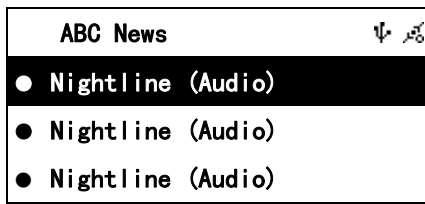
Press ◀ / ▶ button to 'Yes', then press OK to confirm



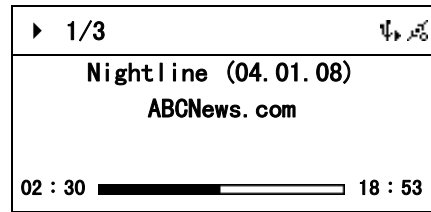
During this period, if do not want to continue, press ESC/STOP



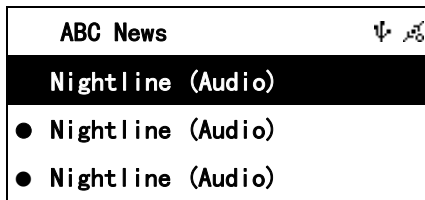
Reforming record



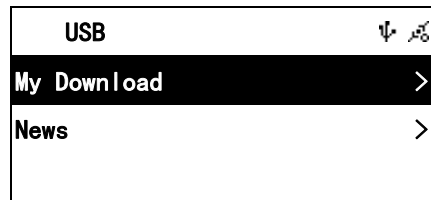
a ● icon shows up at front of the haven't played program



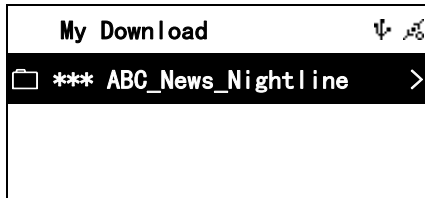
press **OK** to access that program



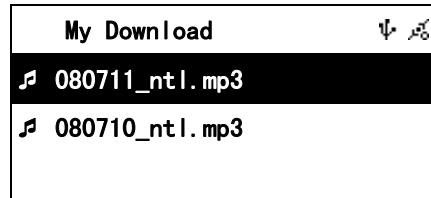
After play, the ● icon disappeared



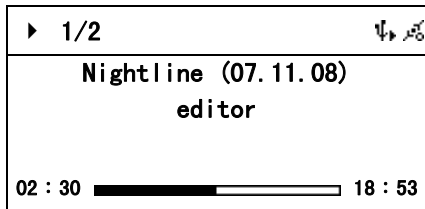
Also, you can choose My Download to download manually



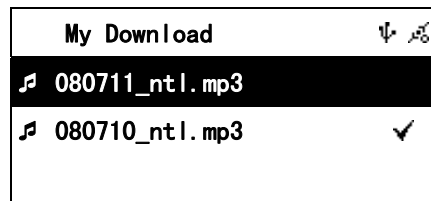
Same as subscribed, radio save it to proper path



Continue browse down, the manual download items will show up

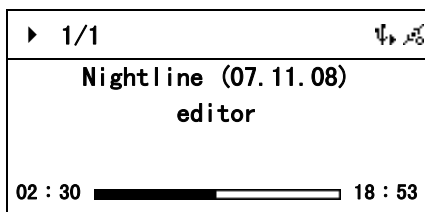


press **OK** to confirm

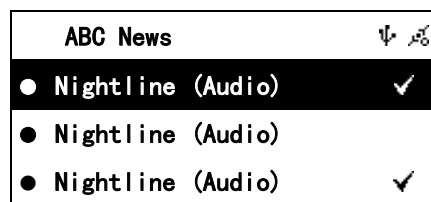


Want to continue your favorite one?

Press **Memory** to do this order

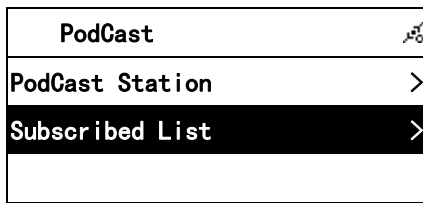


press **OK** to confirm, then only the saved in memory program will play

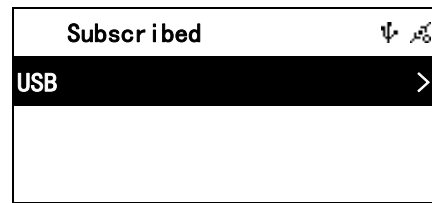


Subscribed program, also can play as memory order

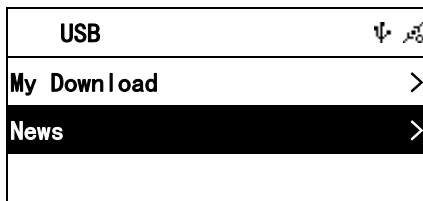
## 5.4 Cancel Subscribed List



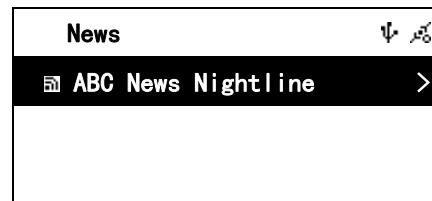
choose Subscribed List



The current insert device will show up



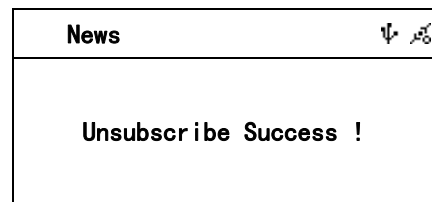
access USB, the download programs should be appeared



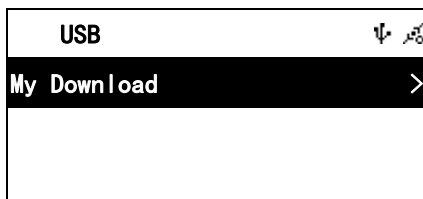
Press ◀ / ▶ button to your selecting one



Press **Memory**, radio will ask you as above



Press ◀ / ▶ button to 'Yes', then press **OK** to confirm



Then return to previous screen display



## 5.5 PodCast Setting :

⊕ Main	ψ ⌂
FileMgr	>
AUX	>
<b>Setting</b>	>

choose Setting



⊖ Setting	ψ ⌂
<b>PodCast Setting</b>	>
iPod	>
Network	>

choose PodCast Setting

PodCast	ψ ⌂
<b>Update Mode</b>	<b>Auto</b>
Update Items	All
Keep Items	All

press **OK** repeatedly to convert options

for detail, please see left form

Item	Option
Update Mode (under Stand By mode)	Auto : auto update Manual : manual update
Update Items	All : completed update Newly : only new update Last 3 : only last 3 items update
Keep Items	All : completed update Newly : only new update Last 3 : only last 3 items update

## 5.6 Download under standby mode:

PodCast	ψ
Update Mode	Auto
Update Items	Newly
Keep Items	All

press **OK** repeatedly to convert to your selecting option

2008-Jul-15 Thu. .	
PM	3:18:15
Off	off

Press **Stand By** to enter Stand By mode

2008-Jul-15 Thu. . ψ	
Getting RSS ...	
Off	off

Five minutes later, ψ will show up on the top right corner and twinkling

2008-Jul-15 Thu. . ψ	
1830 Magazine	
1/9 -> 86.2 %	
Off	off

After found out the aim, then update, and show you the rate of progress

2008-Jul-15 Thu. . ψ	
PM	3:18:15
Off	off

During update, it would be returned to time screen

2008-Jul-15 Thu. . ψ	
1830 Magazine	
3/9 -> 86.2 %	
Off	off

When a new item is found, or press **INFO** then shows the rate of progress

2008-Jul-15 Thu. .	
PM	3:18:15
Off	off

After update, it should be returned to time screen, and check new items per hour

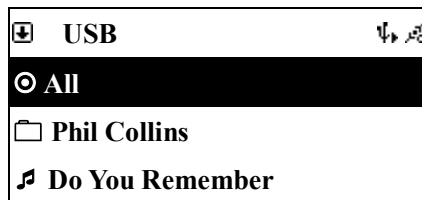


# Chapter 6 USB

- NOTE:
1. Please make sure your USB device is, charged before connecting to the unit. Otherwise, it may not be detected. Backup your data on this device in order for it to work properly.
  2. In all play modes, if the filename is not in English, the international character for MP3/WMA tracks is replaced with “disorder character”.
  3. Some USB devices may be incompatible.

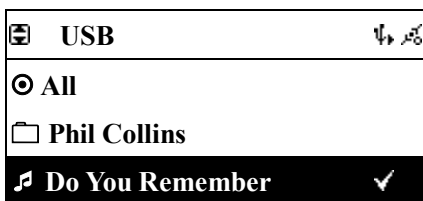
## 6.1 Playing Songs on the USB Device

1. Insert USB Device with MP3/WMA audio files into your system.
2. USB icon will show on the topside of the screen when USB is detected.
3. Select USB icon from the main menu and then press **SELECT/OK** button to enter USB function.
4. Scroll up/down to a song, folder or [All], then press **PLAY** button to play.



Press **PLAY** button

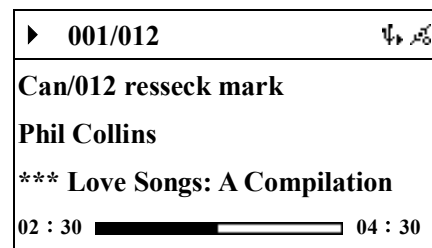
5. Select marked songs or folders: Press **MEMORY** button to make a check mark ✓, then press **PLAY** button to play the marked songs.



Press **MEMORY** to make a check mark ✓,

then press **PLAY** to play

or





Playing

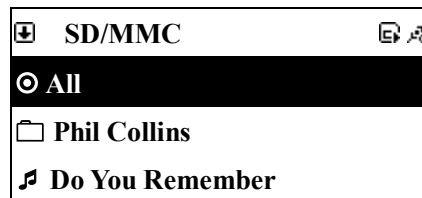


# Chapter 7 SD/MMC

NOTE: 1. Some SD/MMC cards may be incompatible.

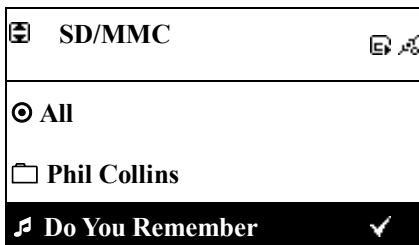
## 7.1 Playing Songs on the SD/MMC Card

1. Insert a SD/MMC card with MP3/WMA audio files into the SD/MMC slot.
2.  icon will show on the topside of the screen when SD/MMC is detected.
3. Select  icon from the main menu and then press **SELECT/OK** button to enter SD/MMC function.
4. Scroll up/down to a song, folder or, [**All**] then press **PLAY** button to play.



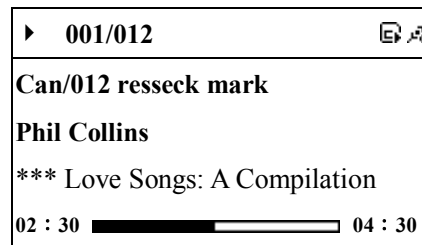
Press **PLAY** to play

5. Select marked songs or folders: Press **MEMORY** button to make a check mark ✓, then press **PLAY** button to play the marked songs.



Press **MEMORY** to make a check mark ✓,

then press **PLAY** to play.



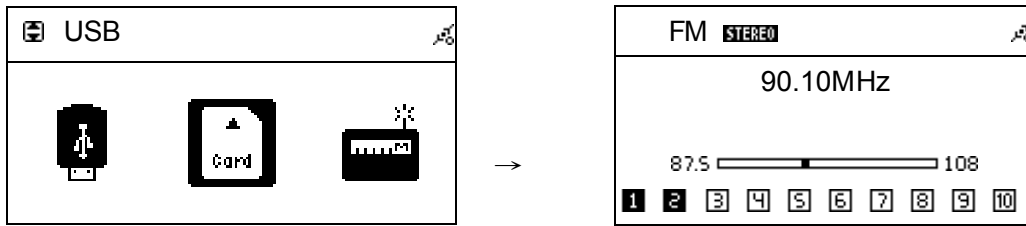
Playing



# Chapter 8 FM Radio

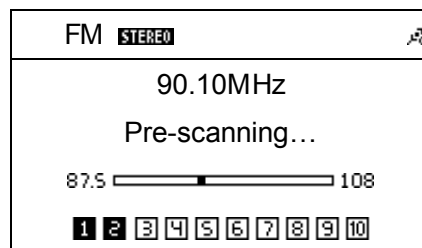
## 8.1 Listening to FM Radio

1. Select  icon and then press SELECT/OK button to enter FM function.



Press ◀ / ▶ button to FM radio, and then press  
SELECT/OK

2. Press PRE-SCAN button for pre-scanning all available stations.

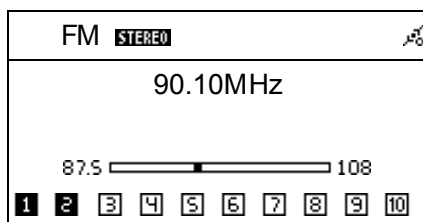


FM Radio

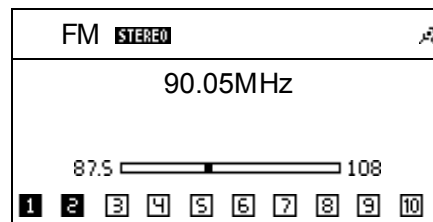
## 8.2 Tuning the FM Frequency

Press ◀ button to decrease 0.05 MHz (Europe).

Note: For US version, one step is 0.2MHz.



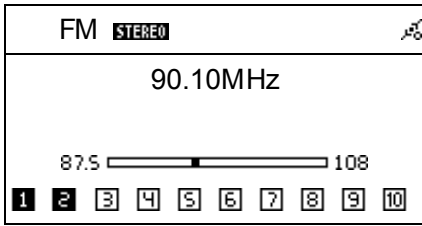
Press ◀ to adjust frequency



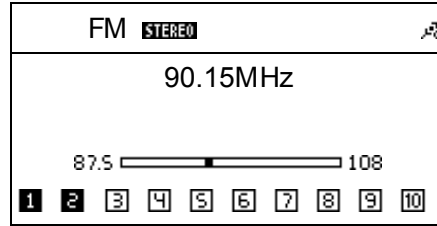
decrease 0.05MHz per step (Europe)

Note: For US version, one step is 0.2MHz.

Press ► button to add 0.05MHz (Europe).  
 Note: For US version, one step is 0.2MHz.



Press ► to adjust frequency

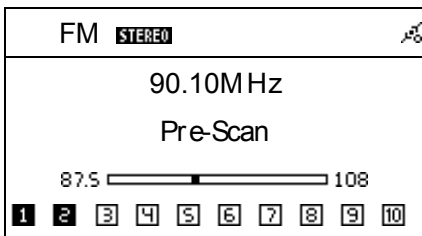


Increase 0.05 MHz per step (Europe)  
 Note: For US version, one step is 0.2MHz.

Auto Search mode will be activated when holding ► button for 3 seconds and releasing ► button (from 87.5MHz to 108MHz increasingly.) Holding ◀ button for 3 seconds and releasing ◀ button will auto search frequency (from 108MHz to 87.5MHz decreasingly.)

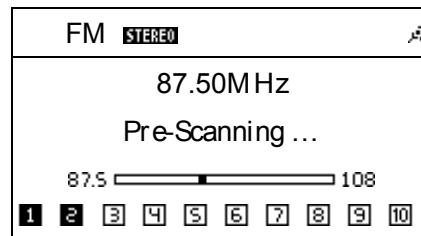
### 8.3 Prescanning All Active FM Radio Stations

1. Go to [FM], press and hold SELECT/OK until “Pre-Scan” shows on the screen.



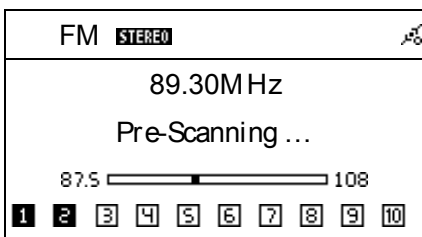
Press and hold SELECT/OK until “Pre-Scan” shows on the screen

#



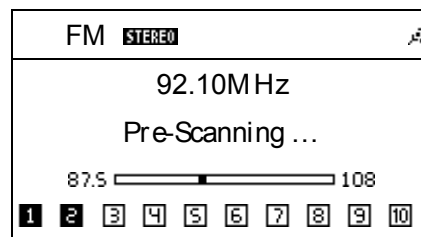
Release SELECT/OK button to start scanning all active radio stations from 87.5MHz.

2. Release SELECT/OK button and start scanning all active radio stations.



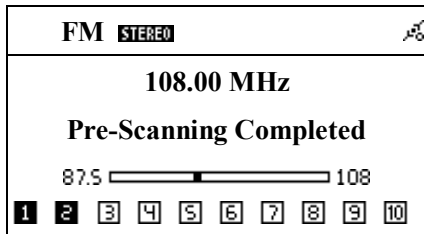
Finding an available radio station

#

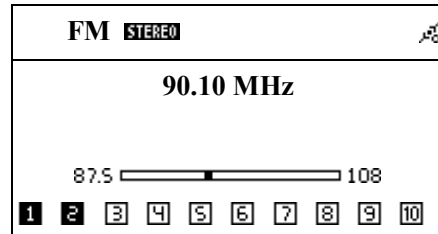


Finding an available radio station

3. Press **PLAY** to listen to the radio stations that have been found by pre-scanning



Prescanning completed

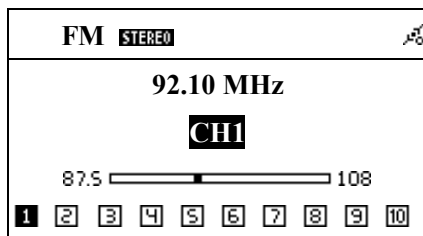


Press **PLAY** to listen

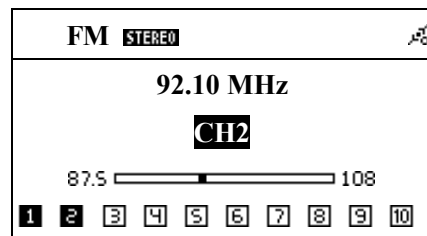
4. You can also execute Pre-Scanning by pressing **Prescan** button on your remote control.
5. Please see [8.4 Presetting a Favorite Station](#) to add your favorite radio stations.

## 8.4 Presetting a Favorite Station

1. The system supports 10 preset channels. Press **MEMORY** button to preset the listening station. **CH1** icon will flash on the screen.

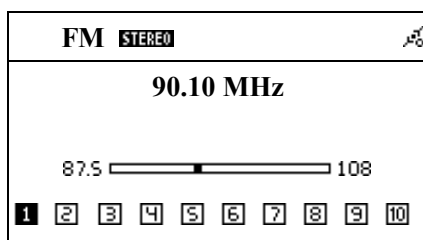


CH1 icon will flash on the screen.

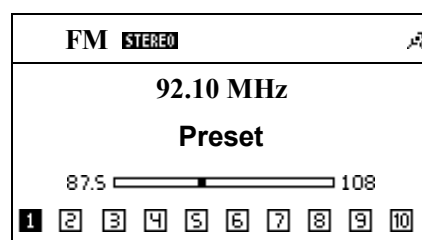


Press ◀ OR ▶ to find a channel, and press **SELECT/OK** button to store

2. Press ◀ OR ▶ button to switch the channel number, then press **SELECT/OK** to confirm it.



Press ◀ OR ▶ to find a frequency you want to store

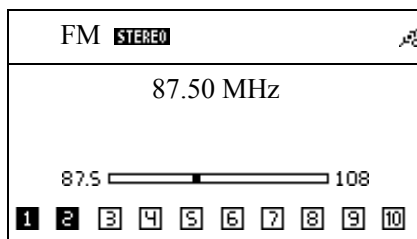


Press **SELECT/OK** button and then "Preset" will show up

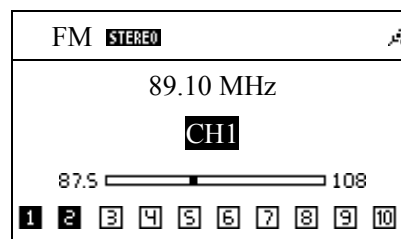
- Pressing number [1] button for 3 seconds on your remote control will add a radio station into preset station channel **1** (pressing number [0] button for 3 seconds will add a station into preset channel **10**).

## **8.5 Listening to a Preset Station**

- Press **UP/DOWN** to select a channel

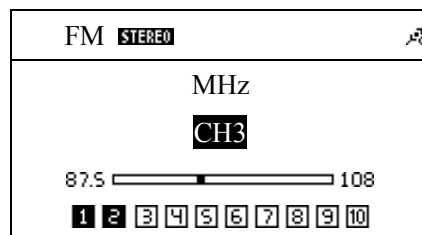


Radio Playing



Press **Up/Down** to call

- Under FM mode, pressing number key [1]-[0] on your remote control will play the stations in your preset channel 1-10.



You haven't preset a frequency for this channel yet





## Chapter 9 Media Server

### 9.1 Supported Media Server

- WMP11(Windows Media Player 11) (Windows XP SP2 / Vista Premium 32 Bits)
- Rhapsody URL : <http://www.rhapsody.com/welcome.html>
- TwonkyMedia URL : <http://www.twonkyvision.com/>
- MediaTumb (Linux Platform) URL : <http://mediatomb.cc/>

NOTE: To make TwonkyMedia works properly, ID3v2 must be edited.

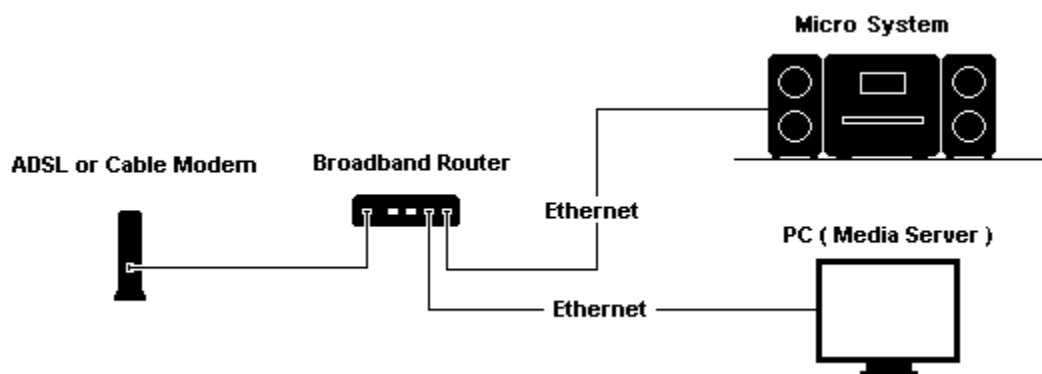
### 9.2 Setting Upnp Environment

NOTE:

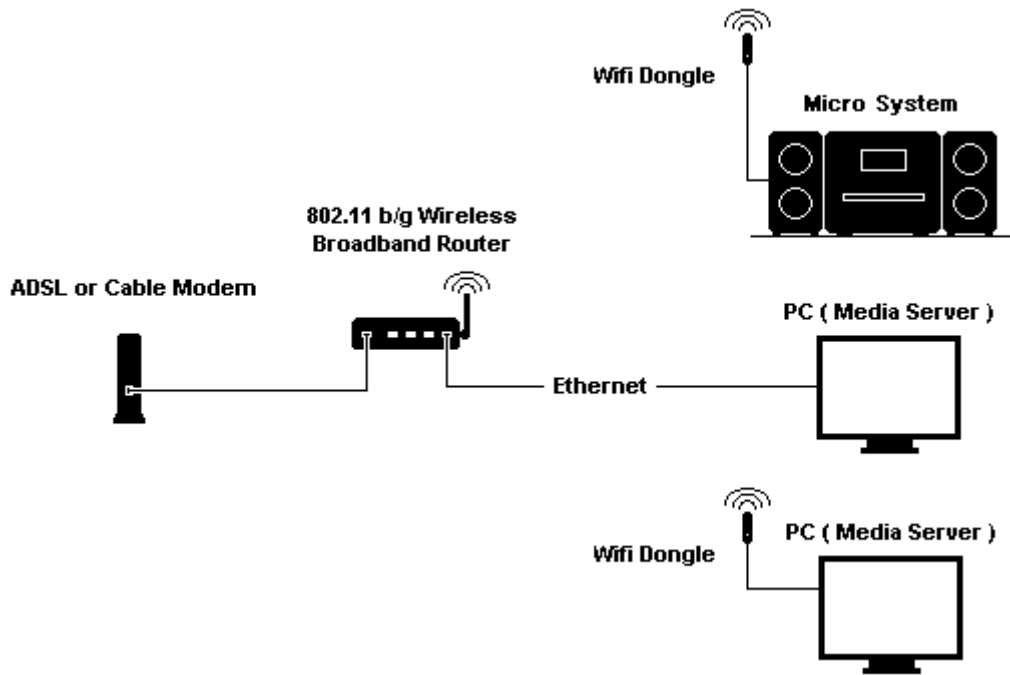
- Before you use your PC as a media server, make sure your PC (or the media server you try to connect) has WMP11 (Windows Media Player 11) installed. Each media server has to have its WMP11 installed.
- Usually, the default of your PC firewall is to block unnecessary connections. Make sure Upnp function is enabled on your PC (media server.)
- Disable Proxy function in your system.

#### 9.2.1 UPnP Networked Environment Diagram


- Please connect this system and UPnP Media Server on the same local LAN, and make sure the network setting is correct.
- The UPnP networked environment diagram is as follows.

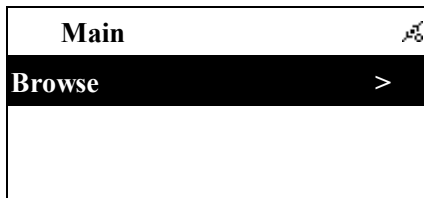


or

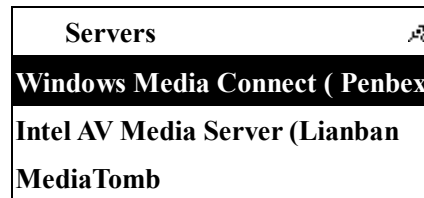


### 9.3 Playing Songs on UPnP Media Server

1. Select  icon from the main menu and then press **SELECT/OK** button to enter Media Server function.
2. Enter [**Browse**] to select one or all available media servers.

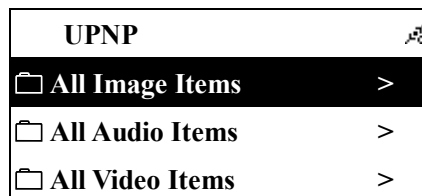


Press **SELECT/OK** to browse a media server



Select one server, then press **SELECT/OK**

3. Scroll up/down to [**All songs**], [**Artists**], [**Albums**], [**Genres**] or other items, then press **SELECT/OK** button to enter.
4. Scroll up/down to a song or folder, then press **PLAY** button to play.



Select a song or folder, then press **PLAY** to play.



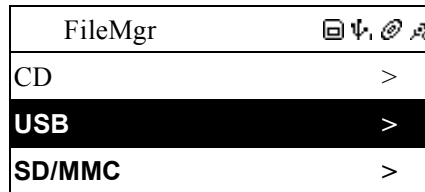
# Chapter 10 File Manager

NOTE:

- When Copying files to a USB Device or SD/MMC Card, The file name could be moved.
- Copying procedure follows one by one order.
- MP3 is the only Copy available. CD format cannot be copied or moved.

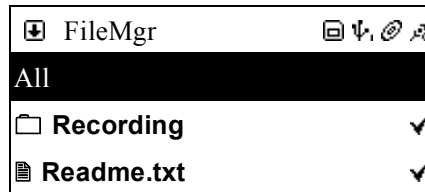
## 10.1 Copy/Move Files to an USB Device or SD/MMC Card

1. Insert a CD-ROM, USB device or SD/MMC card.
2. Select icon from the main menu, then press **SELECT/OK** button to enter File Manager function.
3. Scroll up/down to [**CD**], [**USB**] or [**SD/MMC**], then press **SELECT/OK** button to enter.



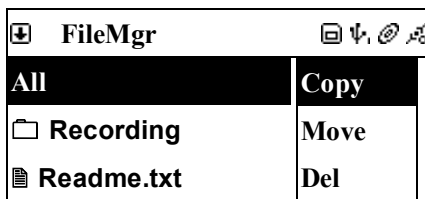
Select [**USB**], then press **SELECT/OK**

4. Scroll up/down to a file or folder, then press **MEMORY** button to make a check mark ✓

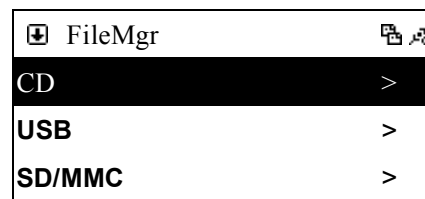


Select a file or folder, then press **MEMORY**

5. Press **REC** button to select [**Copy**] or [**Move**], then press **SELECT/OK** button. icon will show on the screen.

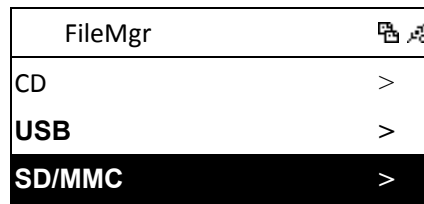


Press **REC**, then select a function.



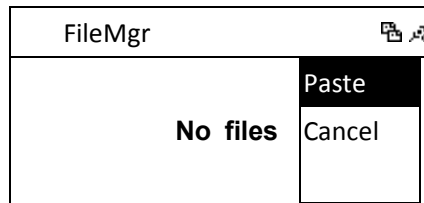
icon will show on the screen.

6. Select a target directory.

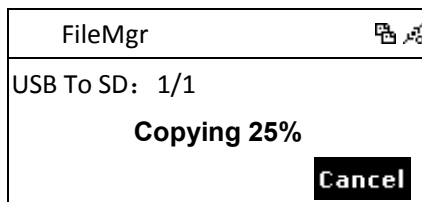


Select a target directory.

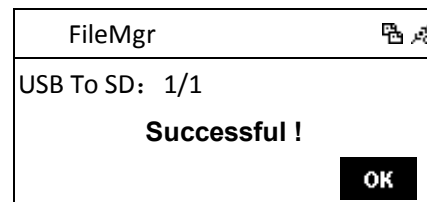
7. Press **REC** button to select [**Paste**], then press **SELECT/OK** button to paste.



Press **REC** again to paste.



Copying files




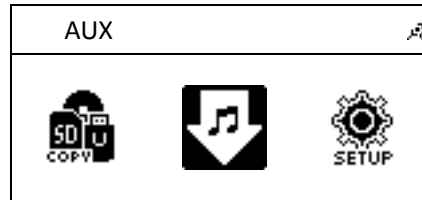
It is successful to finish copying.



# Chapter 11 AUX

## 11.1 AUX Mode

1. Select  icon from the main menu, press **SELECT/OK** button to enter.



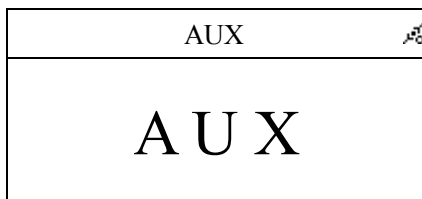
Select [**AUX**] and press **SELECT/OK**

2. AUX will appear on the screen. Plug in audio source and start playing.



Enter AUX Mode

3. In AUX mode, Volume and Equalizer are adjustable.




In AUX mode, volume and P-EQ are adjustable

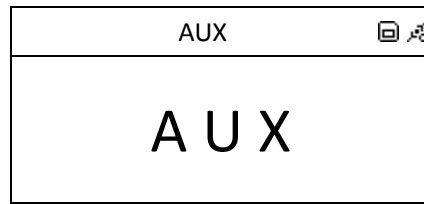


Adjusting EQ

## 11.2 Recording in AUX Mode

The system can accept different audio sources (such as MP3 Player, Discman, or Bluetooth audio receiver) and play those sources by connecting with a 3.5mm audio input cable.

1. Select  icon from the main menu, press **SELECT/OK** button to enter.



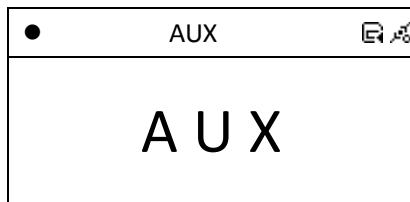
Enter AUX mode

2. AUX will appear on the screen. Plug in audio source and start playing.
3. Press **REC** to start recording.

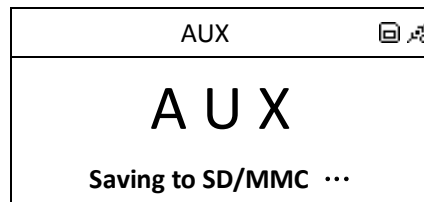


Press **REC** to start recording

4. Press **STOP/ESC** to quit



The recording quality depends on the quality of your audio source.



Press **ESC** to stop recording



# Chapter 12 Setup

## 12.1 Date & Time

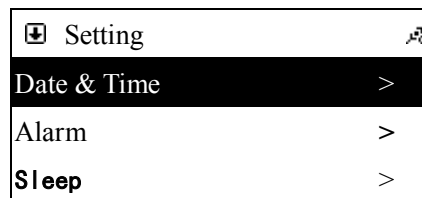
- Support NTP (network time protocol), and auto-sync time via internet at 12:00 am/pm everyday and every time when pressing POWER button to turn on or off.(Internet connection required.)
- Support manual date & time settings.
- Support DST& Time Zone settings



The Time Sync function will auto-run when turn on/off and 12:00 am/pm everyday.

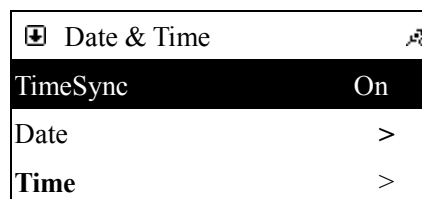
### 12.1.1 Setting the Date

- Press **SETUP** button, then scroll up/down to [**Date & Time**] and press **SELECT/OK** button.



Select [**Date & Time**], and press **SELECT/OK**

- The default [**TimeSync**] is On.



The default TimeSync is On

- To change the year, month, and day, scroll up/down and press **SELECT/OK** button to confirm.

Date & Time	
TimeSync	Yes
<b>Date</b>	>
<b>Time</b>	>

Scroll to [Date] and press **SELECT/OK**

Date		
	▲	
23	<b>Oct</b>	2007
	▼	

Scroll Up /Down to adjust the day, month and year

- When finished, press **STOP/ESC** or **SELECT/OK** button to save and exit.

Date & Time	
TimeSync	Yes
<b>Date</b>	>
<b>Time</b>	>

After finishing, the changes will be saved

### 12.1.2 Setting the Time

- Press **SETUP** button, then scroll up/down to [**Date & Time**] and press **SELECT/OK** button to enter [**Time**] submenu.

Setting	
<b>Date &amp; Time</b>	>
Alarm	>
<b>Sleep</b>	>

Select [**Date & Time**], and press **SELECT/OK**

- The default [**TimeSync**] is On.

Date & Time	
<b>TimeSync</b>	<b>On</b>
Date	>
<b>Time</b>	>

The default TimeSync is On

- To change the hours and minutes, scroll up/down and press **SELECT/OK** button to confirm.

Date & Time	
TimeSync	Yes
Date	>
<b>Time</b>	>

Scroll to [**Time**] and press **SELECT/OK**

→

Date		
	▲	
13	:	41
	:	23
	▼	

Scroll Up /Down to adjust the hours and minutes



- When finished, press **STOP/ESC** or **SELECT/OK** button to exit and save.

☰ Date & Time	↻
TimeSync	Yes
Date	>
<b>Time</b>	>

After finishing, the changes will be saved

### 12.1.3 Setting the Time formation

- Press **SETUP** button, then scroll up/down to [**Date & Time**] and press **SELECT/OK** button to enter [**Time Format**] submenu.
- Press **SELECT/OK** button to choose to 12-hour or 24-hour.
- After finish setting, then press **STOP/ESC** button to exit and save.

Setting	↻
<b>Date &amp; Time</b>	>
Alarm	>
<b>Play Mode</b>	Normal

→

Date & Time	↻
Date	>
Time	>
<b>Time Format</b>	24

Select [**Date & Time**], and press **SELECT/OK**

Choose [**Time Format**] to change

☰ Date & Time	↻
Date	>
Time	>
<b>Time Format</b>	12

Press **SELECT/OK** to confirm

## 12.2 Alarm

- Support two alarm clock settings.
- Support Daily alarm clock
- Support different alarm clock sound(Beep/ i.Radio / USB / SD/MMC / FM).

### 11.2.1 Setting the Alarm

1. Press **SETUP** button, then scroll up/down to [**Alarm**] and press **SELECT/OK** button to enter
2. Press [**Use Alarm 1**] submenu and press **SELECT/OK** button to activate the alarm.

The default [**Use Alarm 1**] is On.

Alarm	
<b>Use Alarm 1</b>	<b>On</b>
Set Alarm 1	>
<b>Use Alarm 2</b>	off

The default [Use Alarm 1] is On.

3. Scroll to [**Set Alarm 1**] to set the alarm clock.

Alarm	
Use Alarm 1	YES
<b>Set Alarm 1</b>	>
<b>Use Alarm 2</b>	No

Scroll to [Set Alarm 1] to set the alarm clock

4. Press **SELECT/OK** button to confirm.

Alarm 1
▲
14 : 54 : 00
▼

Scroll **Up / Down** to adjust the hours and minutes

2007-May-03 Thu..	
PM	3 : 18 15
<input checked="" type="checkbox"/> PM 6:00	<input type="checkbox"/> off

After finishing, the changes will be saved

2007-May-03 Thu..	
☀	3 : 18 15
PM	
<input checked="" type="checkbox"/> PM 6:00	<input type="checkbox"/> off

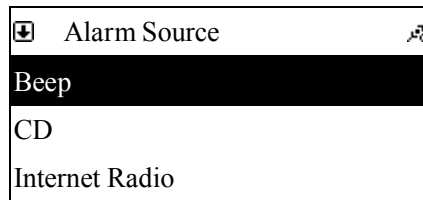
☀ will show if DST (Day Saving Time) is chosen

Note : The unit can activate/disarm alarms by pressing Alarm 1/Alarm 2 button when the system in Standby mode.

### **12.2.2 Setting the Alarm Sound**

1. Press **SETUP** and scroll up/down to [**Alarm**] and press **SELECT/OK**.

2. Scroll down to [**Alarm Source**] and then press **SELECT/OK** button to enter.
3. Press UP/DOWN button to determine an alarm sound, and then press **SELECT/OK** button to confirm.



press **SELECT/OK** button to confirm

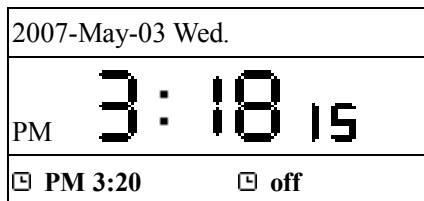
4. In some circumstances the Internet Radio screen will flash to inform you when the alarm time is up.

**NOTE :**

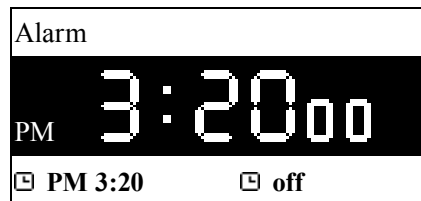
- If the alarm sound is unset, “Beep” will be the default alarm sound.
- The alarm goes off with the source in the standby mode when time is up.
- The default alarm source of i.Radio is the first radio station under the FAVORITE file.

**12.2.3 Disarming the Alarm**

- When alarm time is up in the “Stand-By Alarm” Mode, the screen will be highlighted and the alarm source will be played.

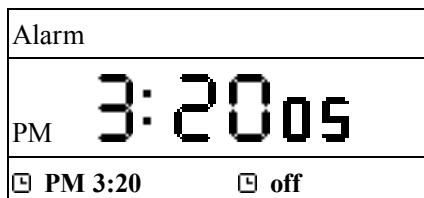


STANDBY Mode

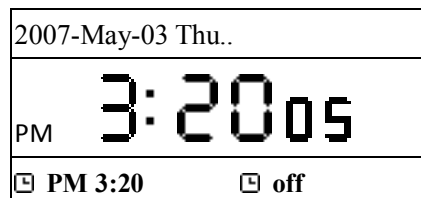


When alarm time is up, the screen will be highlighted

- Press **Stand By** , or **STOP/ESC** , or **Alarm** to disarm alarm.



When alarm time is up, the screen will be highlighted



Press **STAND BY** or **STOP/ESC** or **Alarm** to disarm the alarm

## 12.3 Sleep

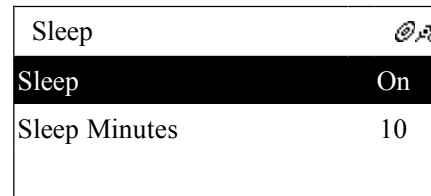
- Sleep is able to be turned ON/OFF.

### 12.3.1 SLEEP Mode

- Press **SLEEP** button to enter, then switch sleep timer to 5 min, 10 min, 15 min, 20 min, 30 min, 60 min, 90 min or 120 min by pressing **SELECT/OK** button.



Press **SLEEP** to enter.



press **SELECT/OK** button to setting sleep minutes

- Z<sub>2</sub> icon will show on the top of the screen when the sleep timer is on.



Z<sub>2</sub> icon will show on the screen.

## 12.4 Network

- Supports LAN(Ethernet) and WLAN (802.11b/g wifi Dongle)
- Supports Wi-Fi Encryption WEP64/128 and WPA-PSK
- Supports Dynamic IP via DHCP (Dynamic Host Configuration Protocol) and static IP.  
Default setting is Ethernet and DHCP.
- Supports Upnp.
- Auto-detect and auto-run or WLAN (wireless LAN) environment.

### 12.4.1 Understanding the Networking States on This System

- The network connectivity status icon will show on the top of the screen.

### WLAN Status

Title 

→ ● It has failed to detect the Ethernet cable.

Title 

→ ● It has successfully detected the Ethernet cable.  
● It has failed to get available DHCP information.

Title 

→ ● It has successfully detected the Ethernet cable.  
● It has successfully gotten available DHCP information

### WLAN Status

Title 

→ ● It has failed to detect the USB Wi-Fi adapter.

Title 

→ ● It has successfully detected the USB Wi-Fi adapter.  
● It has successfully gotten available DHCP information.  
● DHCP information.ter.en mode.

Title 

→ ● It has successfully detected the USB Wi-Fi adapter.  
● It has failed to get available DHCP information.

Title 

→ ● It has successfully detected the USB Wi-Fi adapter.  
● It has successfully gotten available DHCP information.

### WLAN Signal Status

Title 

→ ● Signal strength received from AP is under 20%

Title 

→ ● Signal strength received from AP is between 20% - 59%.

Title 

→ ● Signal strength received from AP is between 60% - 79%.

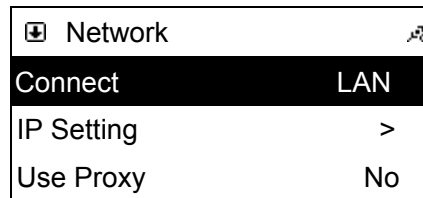
Title 

→ ● Signal strength received from AP is above 80%.

NOTE : Signal strength above 70% is considered a good signal source.

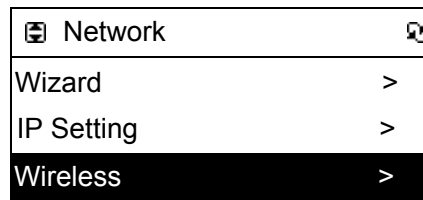
## 12.4.2 Setting the Wi-Fi Connectivity

1. Insert a Wi-Fi USB adapter into the USB connector. (The Wi-Fi USB adapter is optional)
2. Press SETUP button, then scroll up/down to [Network] and press SELECT/OK button.
3. Select [Connect ] and switch [LAN] to [WLAN].



Select [Connect] and switch [LAN] to [WLAN].

4. Press STOP/ESC button to quit Wizard.
5. Scroll up/down to [Wireless] and then press SELECT/OK button to enter.




[Wireless] item will appear on the screen.


6. Scroll up/down to [Site Survey], [Connect Mode], [SSID] or [Encryption], then press SELECT/OK button to enter.
7. Press UP/DOWN and SELECT/OK button to set each necessary item.

Wireless	
<b>SSID</b>	<b>&gt;</b>
Encryption	>
Site Survey	>

Set each necessary Wi-Fi setting item.


8.  icon will show on the top of the screen when the wireless setting is successful.

Wireless	
<b>SSID</b>	<b>&gt;</b>
Encryption	>
Site Survey	>

 will show when the setting is successful.


### 12.4.3 Setting the Wi-Fi Connectivity by Wi-Fi Wizard

1. Insert a Wi-Fi USB adapter into the USB connector on the back of your system.
2. Press SETUP button, then scroll up/down to [Network] and press SELECT/OK button.
3. Select [Connect] and switch [LAN] to [WLAN].

Network	
<b>Connect</b>	<b>LAN</b>
IP Setting	>
Use Proxy	No

Select [Connect] and switch [LAN] to [WLAN].

4. Select [Wizard] and then press SELECT/OK button to enter.

Network	
Connect(any~)	WLAN
<b>Wizard</b>	<b>&gt;</b>
IP Setting	>

Select [Wizard] and press SELECT/OK button

5. Scroll up/down to an Access Point and then press SELECT/OK button.

Wizard		
ap01	61%	🔒
D-LINK	85%	🔒
default	21%	

Enter [**Wizard**], then all available AP and its signal strength will be shown on the screen.

- If the Access Point is protected with an encryption key, press **SELECT/OK** button, then press **UP/DOWN/LEFT/RIGHT** button to input the key to access the Access Point.

Wizard	
>	

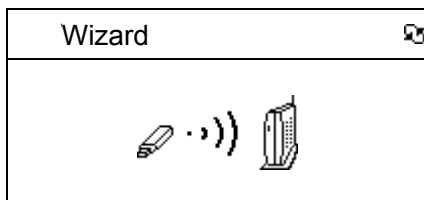
Use **UP/DOWN** (or number key) to input an encryption key to access the AP if necessary.

After keying in the encryption key, press

**SELECT/OK** and press **STOP/ESC** to

delete a character.

- 📶 icon will show on the topside of the screen when the wireless setting is successful.



Proofing the encryption key...

Network	
Connect(ap01)	WLAN
IP Setting	>
Wireless	>

📶 will show when the setting is successful.

#### **12.4.4 Inputting Static IP**

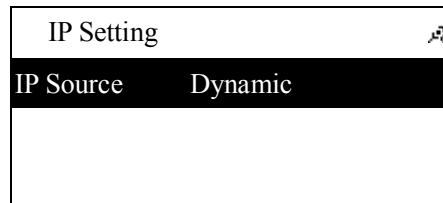
- Press **SETUP** button, then scroll up/down to [**Network**] and press **SELECT/OK** button.
- Scroll up/down to [**IP Setting**] and then press **SELECT/OK** button to enter.

Network	
Connect	LAN
IP Setting	>
Use Proxy	No

Select [**IP Setting**], then press **SELECT/OK**

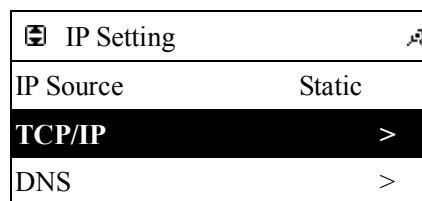


3. Select **[IP Source]** and press **SELECT/OK** button to switch **[Dynamic]** to **[Static]**.



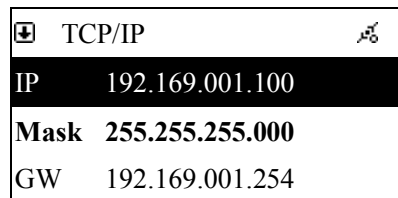
Press **SELECT/OK** to switch [IP Source] to [Static]

4. Scroll up/down to **[TCP/IP]** and then press **SELECT/OK** button to start editing.



Select [TCP/IP], then press **SELECT/OK**

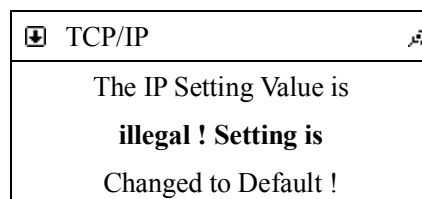
5. Press **UP/DOWN** button to change characters, then press **LEFT/RIGHT** button to shift.



Press **UP/DOWN** (or number key) then **LEFT/RIGHT** to input IP.

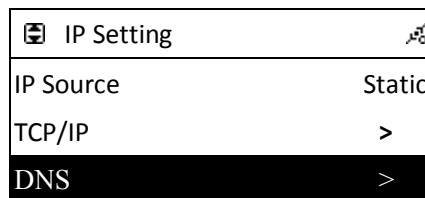
6. After finishing, press **REC** button to confirm.

NOTE : When IP setting value (including IP, Subnet Mask, or Gateway) is illegal, IP setting will change to default value.



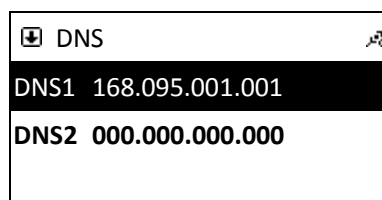
### 12.4.5 Inputting DNS

1. Press **SETUP** button, then scroll up/down to [**Network**] and press **SELECT/OK** button.
2. Select [**DNS**] and then press **SELECT/OK** button.



Select [**DNS**] and press **SELECT/OK** button

3. Press **UP/DOWN** button to change characters, then press **LEFT/RIGHT** button to shift.

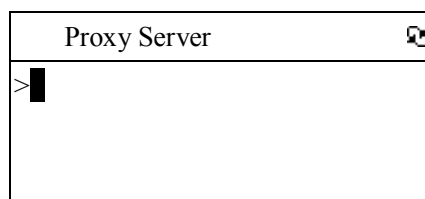


Press **UP/DOWN** (or number key) then **LEFT/RIGHT** to input IP

4. After finishing, press **SELECT/OK** button to confirm.

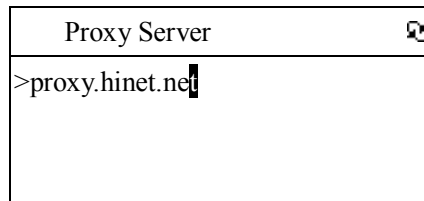
### 12.4.6 Inputting Proxy

1. Press **SETUP** button, then scroll up/down to [**Network**] and press **SELECT/OK** button.
2. Scroll up/down to [**Use Proxy**] and then press **SELECT/OK** button to switch to [**Yes**].
3. Scroll up/down to [**Proxy Server**] and then press **SELECT/OK** button to input domain name or IP address.



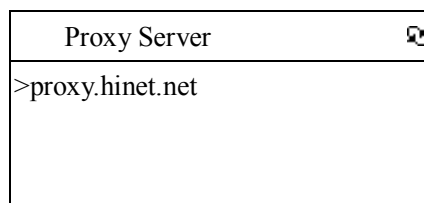
Ready to Editing

4. Press **SELECT/OK** button, then press UP/DOWN button to change characters, press LEFT/RIGHT button to shift.



Press **UP/DOWN** (or number key) then **LEFT/RIGHT** to input characters.

5. After finishing, press **SELECT/OK** button to confirm.



Press **SELECT/OK** to confirm

6. Scroll up/down to [**Proxy Port**] and then press **SELECT/OK** button to input port number.
7. Repeat the step 4~5.

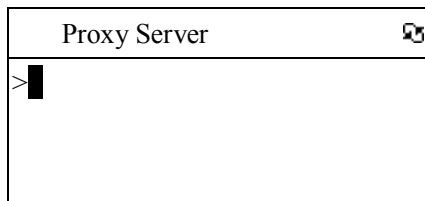
Table: Input Method

Key	Description
<b>OK / Select</b>	End editing
<b>STOP/ESC</b>	Delete a character
<b>Up</b>	Change character 0-9, a-z ,A-Z, symbol
<b>DOWN</b>	Change character 0-9, a-z ,A-Z, symbol
<b>LEFT</b>	Shift to left
<b>RIGHT</b>	Shift to right

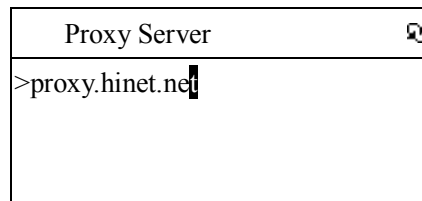
- Select [**Proxy Port**] to input a proxy server port

Table : Input Method

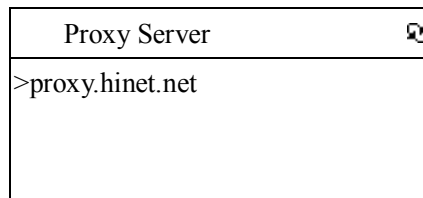
Key	Description
<b>OK / SELECT</b>	End editing
<b>STOP/ESC</b>	Delete a character
<b>UP</b>	Change character 0-9
<b>DOWN</b>	Change character 0-9
<b>LEFT</b>	Shift to left
<b>RIGHT</b>	Shift to right
<b>1</b>	1
<b>2</b>	2
<b>3</b>	3
<b>4</b>	4
<b>5</b>	5
<b>6</b>	6
<b>7</b>	7
<b>8</b>	8
<b>9</b>	9
<b>0</b>	0



Ready to Editing



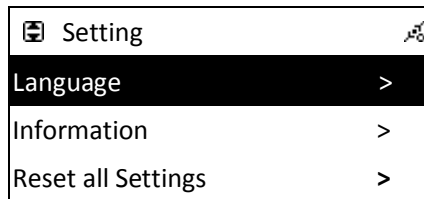
Press UP/DOWN (or number key) then  
LEFT/RIGHT to input characters.



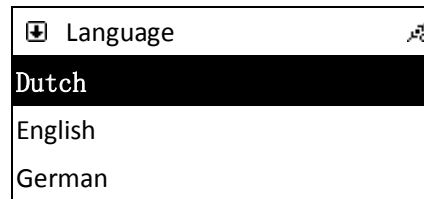
Press **SELECT/OK** to confirm

## 12.6 Language

- Support 11 languages – English、German、Spanish、Portuguese、French、Italian、Swedish、Finland、Dutch、Danish and Norwegian. The default language of this system is English.



Select **SETUP** and then choose Language



Select language and press **SELECT/OK** button

## 12.7 Information

- Display the firmware version and network information.

Example :

```
Version
OS: xxxxxxxx
F/W: xxxxxxxx . xxxx
uP: XxXX

Network
IP Source : DHCP
MAC : xxxxxxxxxxxx
IP : xxx.xxx.xxx.xxx
Mask : xxx.xxx.xxx.xxx
GW : xxx.xxx.xxx.xxx
DNS: xxx.xxx.xxx.xxx

Network Type
SSID : xxx
```

## 12.8 Reset All Settings

- Reset all settings to factory default.



**Warning :**




All settings will be reset to factory default.

## 12.9 Firmware Upgrade

- Support upgrade by using USB or SD/MMC
- Support online upgrade



### 12.9.1 Upgrade firmware by using USB / SD/MMC

1. Get an accurate firmware version (please check your model number) from manufacturer. The firmware version file appears as .UPG file.
2. Copy the file [**image.upg**] to the root directory on a USB device or SD/MMC card.
3. Insert the USB device or SD/MMC card into the USB connector or SD/MMC slot.
4. Press **SETUP** button, then scroll up/down to [**Firmware Upgrade**] and press **SELECT/OK** button.

 <b>Setting</b>	 
Information	>
Reset all Settings	>
<b>Firmware Upgrade</b>	>

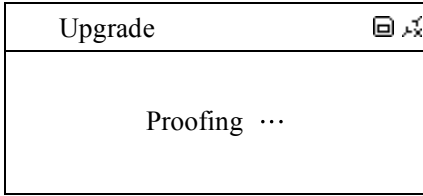
Select [Firmware Upgrade], then press **SELECT/OK**

5. Scroll up/down to [**Yes**] and then press **SELECT/OK** button to upgrade.

Upgrade	 
No	
<b>Yes</b>	>

Select [**Yes**] and press **SELECT/OK** to confirm

6. This system will restart automatically after finishing upgrade.



Proofing the upgrade image file...



Upgrading the firmware...



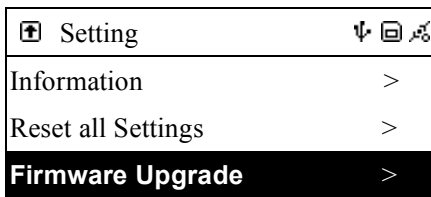
The upgrade is completed.

7. The system must not be switched off or have any function key pressed during the upgrade procedure.

NOTE: Resetting all settings after SMBB is upgraded is strongly recommended.

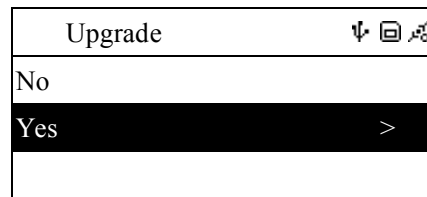
### **12.9.2 On-line upgrade**

1. Make sure the internet environment is ready.
2. Press **SETUP** button, then scroll up/down to [**Firmware Upgrade**] and press **SELECT/OK** button.

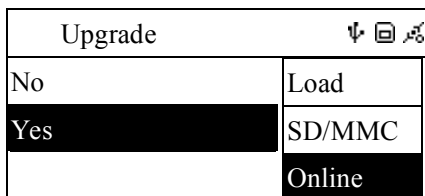


Select [Firmware Upgrade], then press

**SELECT/OK**

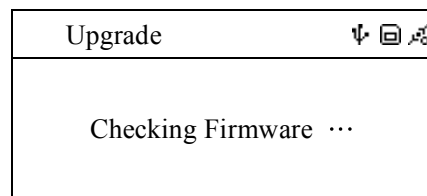


Select [Yes] and press **SELECT/OK** to confirm



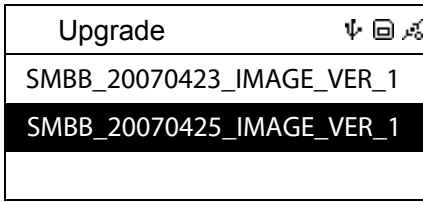
Scroll **Up/Down**, select [Online], and press

**SELECT/OK**

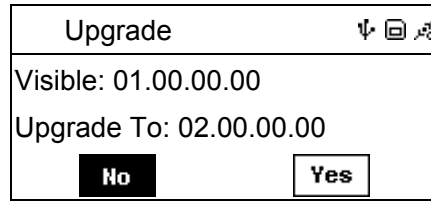


Searching for updated firmware version

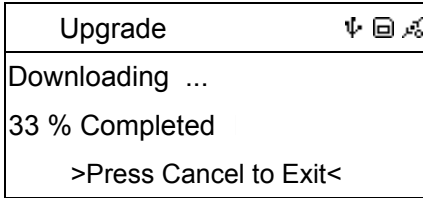




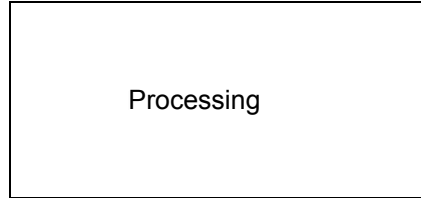
Available version will show on the screen



Select [Yes] to confirm



Downloading press ESC/STOP to cancel  
download



Upgrading the firmware...



The upgrade is completed.

3. This system will restart automatically after finishing upgrade.
4. The system must not be switched off or have any function key pressed during the upgrade procedure.

NOTE: Resetting all settings after your system is upgraded is strongly recommended.

# **Chapter 13 Trouble Shooting**

## **13.1 FAQ**

### **13.1.1 Recording**

**Q1 : Why can't I get CD information from the Gracenote Music Recognition Service?**

- A1 :**
- Make sure the internet environment is ready.
  - Make sure the network setting is available.
  - Try to eject the disc and insert the disc again.
  - The disc has no CD information in Gracenote Media Database.
  - Data CD is not supported in this function.

**Q2 : Why can't I record to the USB device?**

- A2 :**
- Make sure the USB device is ready.
  - Make sure the USB device has enough free space.
  - Make sure the USB device is not in write-protect mode.

**Q3 : Why can't I record to the SD/MMC card?**

- A3 :**
- Make sure the SD/MMC card is ready.
  - Make sure the SD/MMC card has enough free space.
  - Make sure the SD/MMC card is not in write-protect mode.

### **13.1.2 Internet Radio**

**Q1 : Why Does the Connection Fail?**

- A1 :**
- Make sure the internet environment is ready.
  - Make sure the network setting is available.
  - Check if the radio station still exists.
  - Check if the Proxy setting is correct.

**Q2 : Internet Radio freezes at Login ...?**

- A2 :**
- Make sure the internet environment is ready.
  - Make sure the network setting is available.

**Q3 : Internet Radio freezes Getting Station ...?**

- A3 :**
- Make sure the internet environment is ready.
  - Make sure the network setting is available.

**Q4 : There is a list of available radio stations but I cannot listen?**

- A4 :**
- Make sure the network setting is available.
  - Make sure Firewall is disabled.
  - Check for the Proxy setting is correct.

**Q5 : What is No More Data?**

- A5 :**
- Make sure the network setting is available.
  - Check for possible bandwidth limitation issue.

## **Chapter 14 Specifications**

- Power Requirements: AC/DC adapter, 12V  $\overline{\text{---}}$  4000mA
- Power Consumption: 65W



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste.

There are separate collection systems for recycling in the EU.

## Licensing information and requirements

<b>Technology</b>	<b>IP Provider</b>	<b>Required Copy</b>
mp3 format	Thomson Licensing	"MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson"
Real Audio	RealNetworks	<p>"This product contains software. You have the non-exclusive , non-transferable right to use this software in object code form only, solely to operate this product.</p> <p>Ownership of the intellectual property rights in the software in this product remains in the ownership of the party who provided it (or the respective licensor) and all of their respective rights are reserved</p> <p>You are strictly forbidden from modifying, translating, reverse engineering, decompiling, disassembling or using other means to discover the source code of the software in this product or otherwise replicate the functionality of the software in this product except to the extent that this restriction is expressly prohibited by applicable law.</p> <p>Except where this is not possible in the territory where you purchased this product, we do not give any warranties in relation to the operation or performance of the software and neither we nor any of our suppliers or licensors shall be liable to you for indirect, special, incidental and consequential losses such as loss of profits arising out of your use of the software in this product.</p> <p>These terms apply to any updates to the software you may apply to the product.</p> <p>Portions of this software are included under license from RealNetworks, Inc. Copyright 1995-2007, RealNetworks, Inc. All rights reserved."</p>
Windows Media Audio	Microsoft	"This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft."
Windows Media DRM 10	Microsoft	"Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This device uses WMDRM software to access WMDRM-protected content. If the WMDRM software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect unprotected content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade."